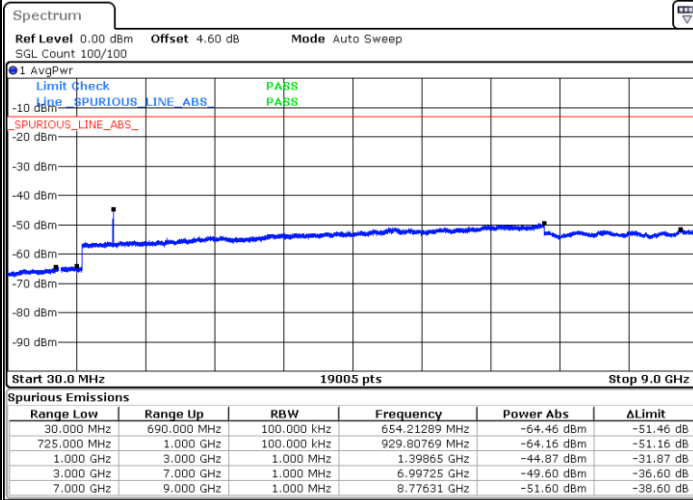




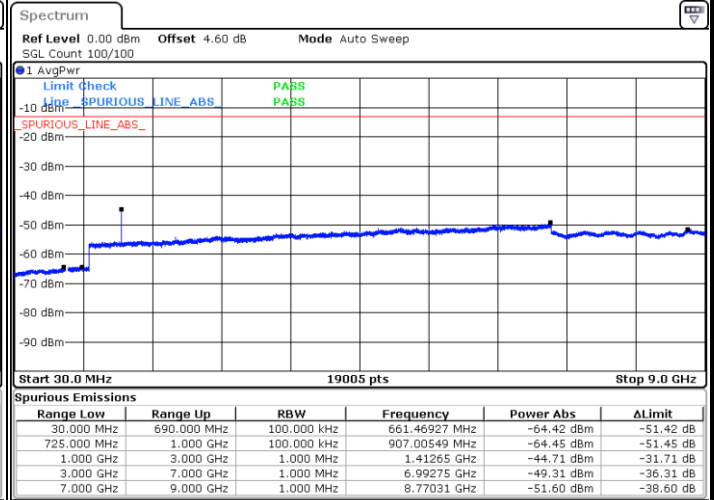
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

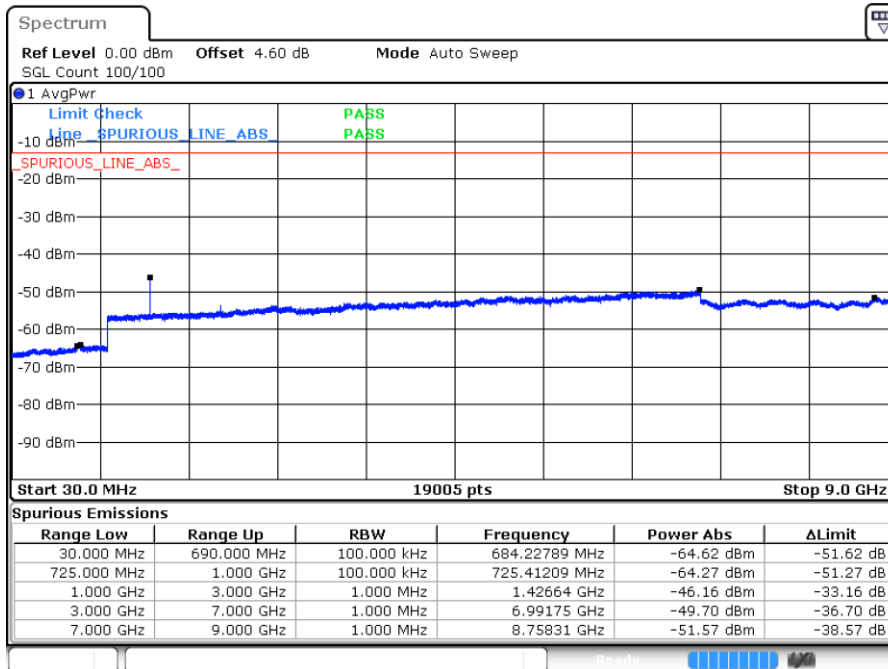


Date: 14 JAN 2022 02:22:53



Date: 14 JAN 2022 02:36:56

Highest Channel / QPSK



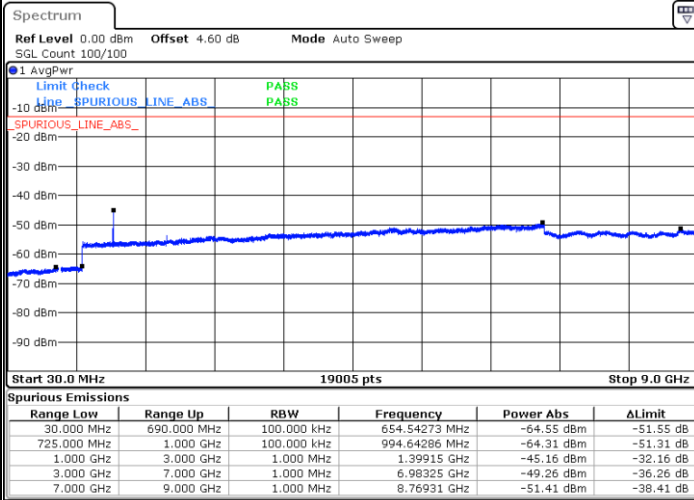
Date: 14 JAN 2022 02:38:57



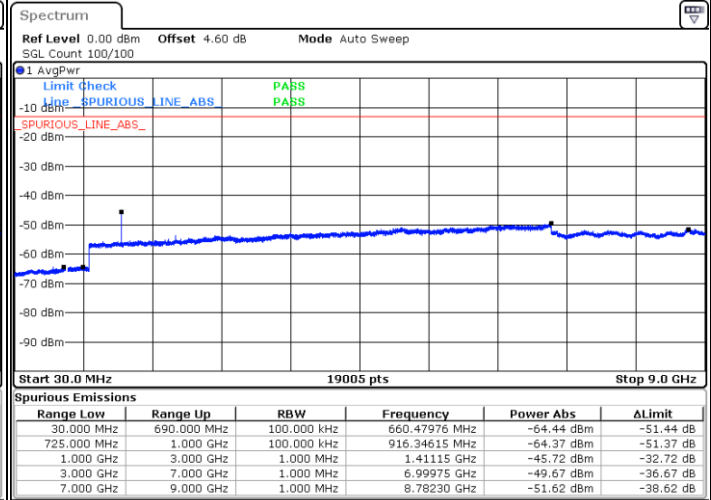
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

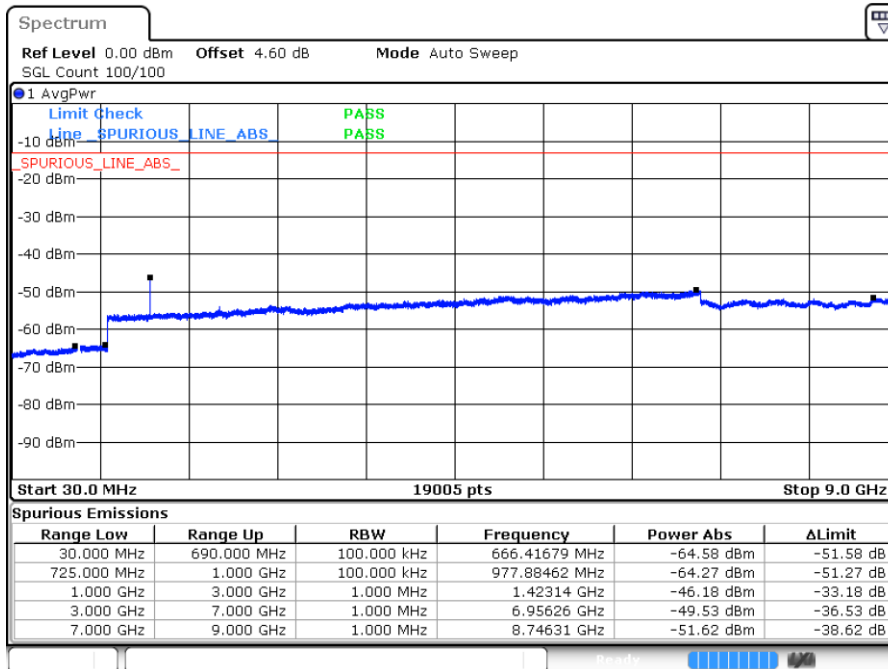


Date: 14 JAN 2022 02:53:51



Date: 14 JAN 2022 03:09:04

Highest Channel / QPSK

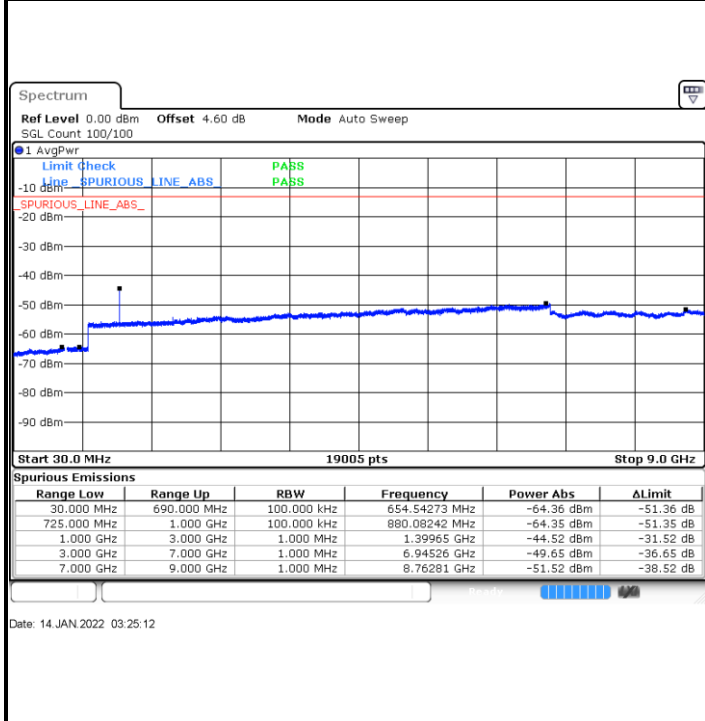


Date: 14 JAN 2022 03:11:06

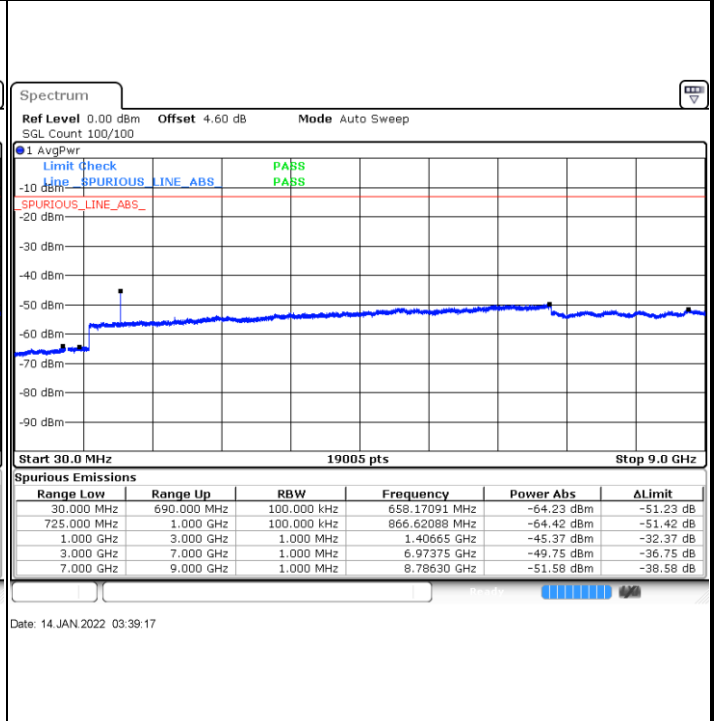


LTE Band 12 / 10MHz

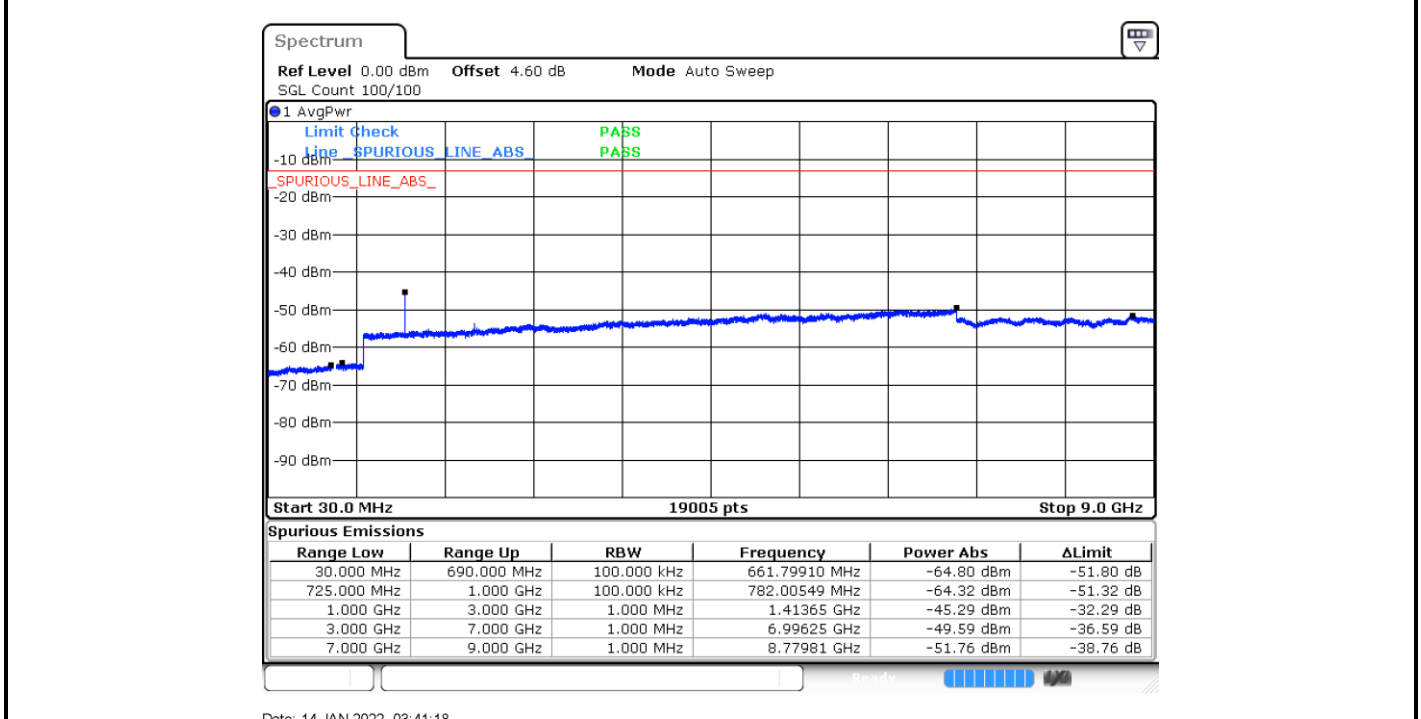
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

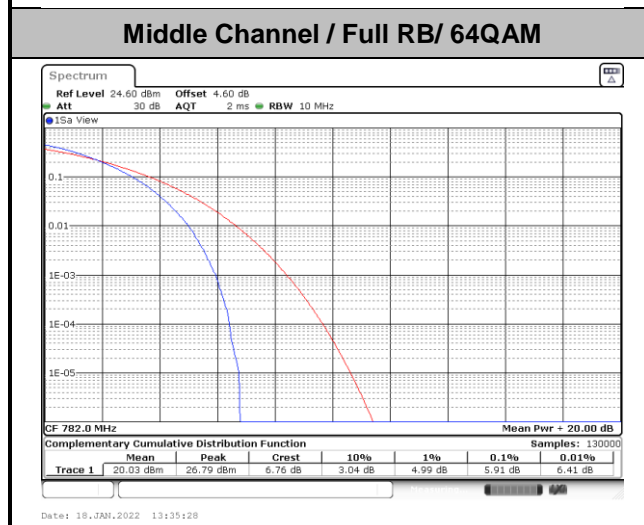
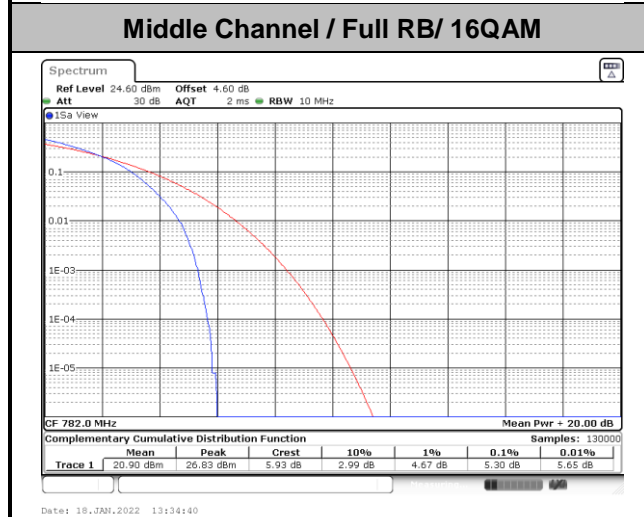
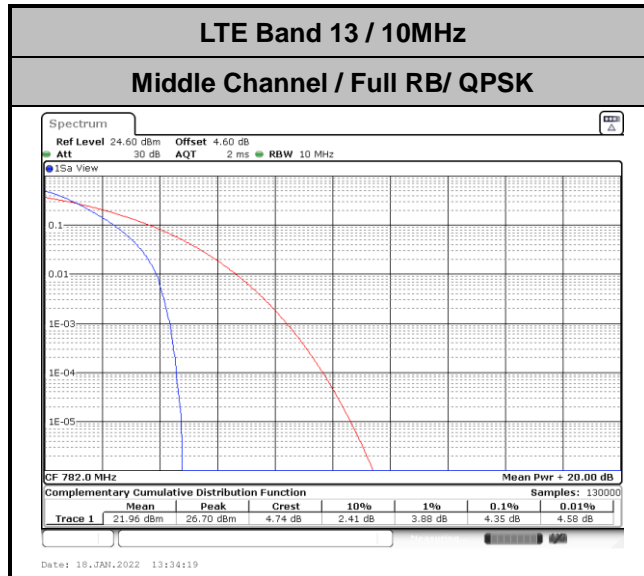
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

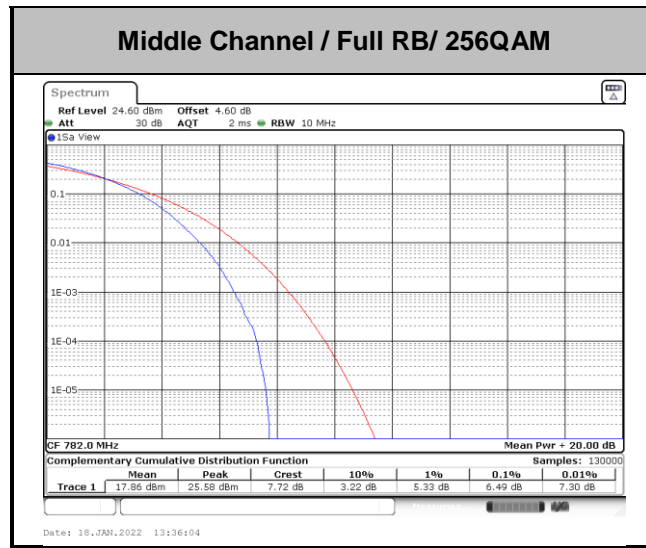


LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.35	5.30	5.91	6.49	PASS

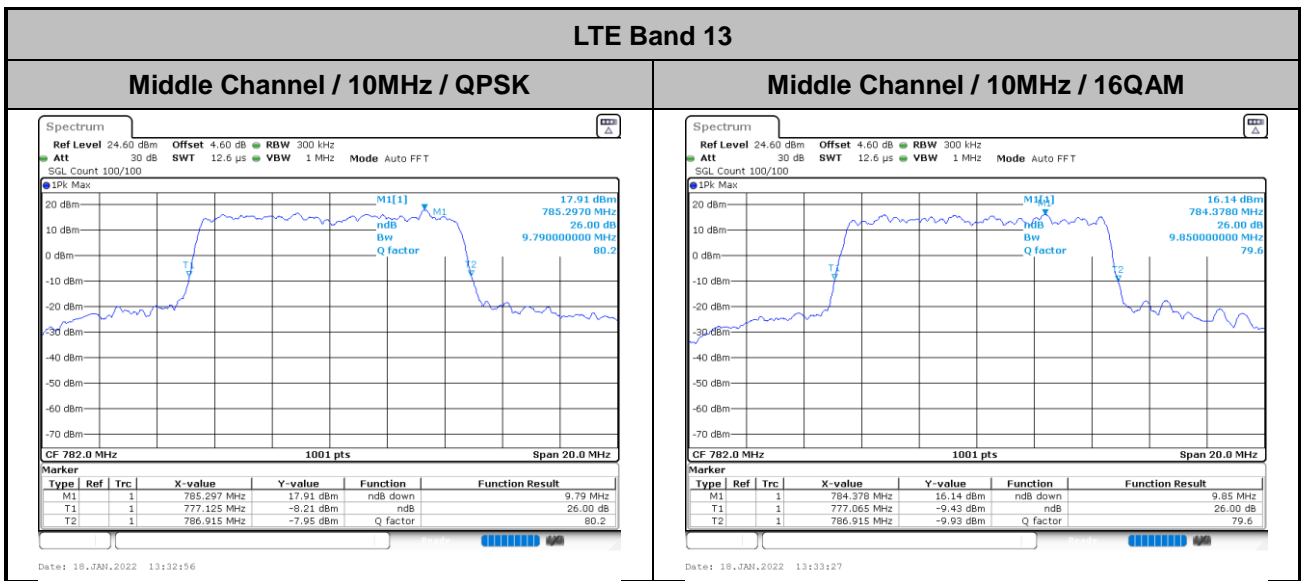






26dB Bandwidth

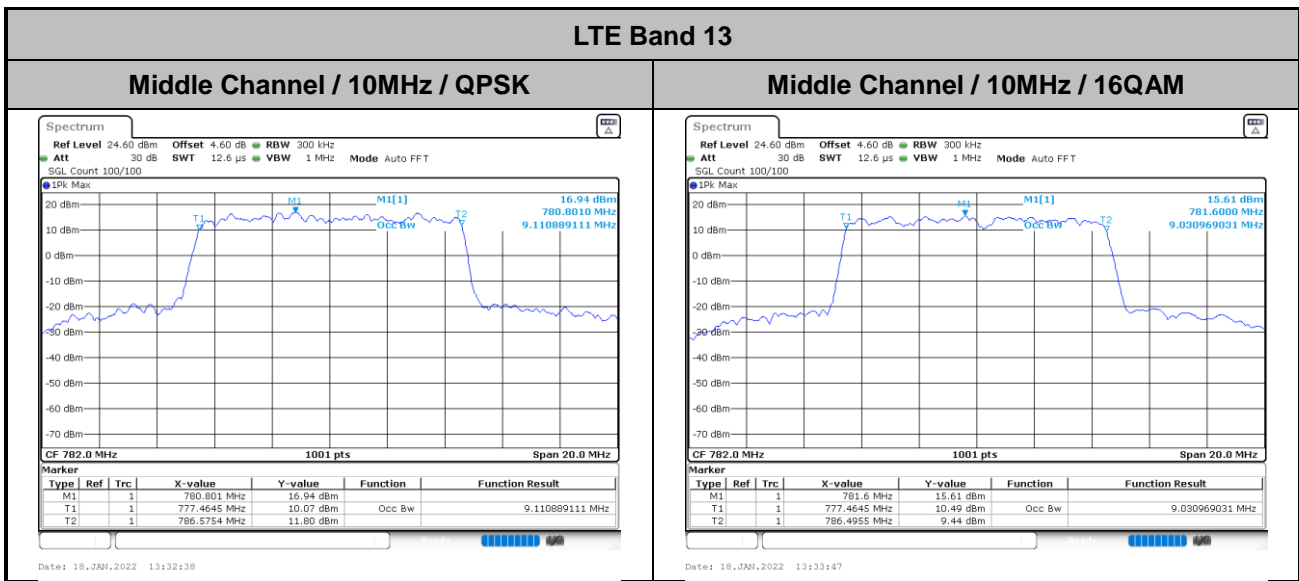
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.85





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.11	9.03

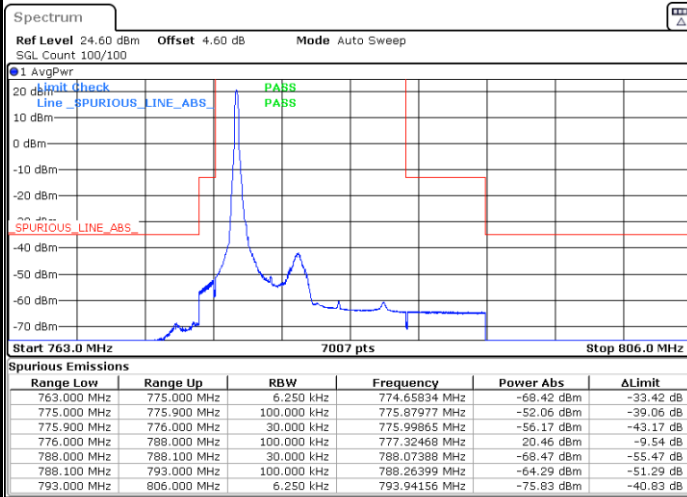




Conducted Band Edge

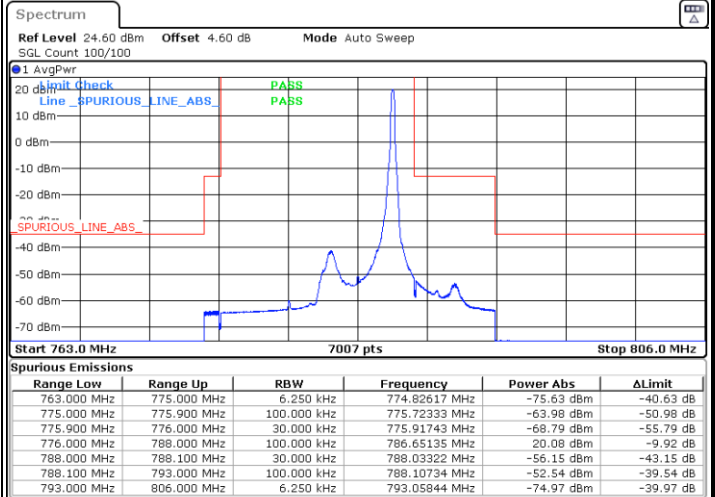
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



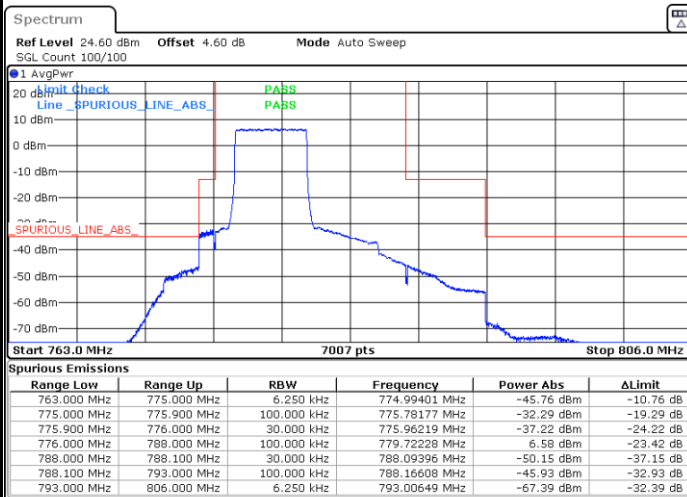
Date: 18.JAN.2022 11:13:08

Highest Band Edge / 1 RB



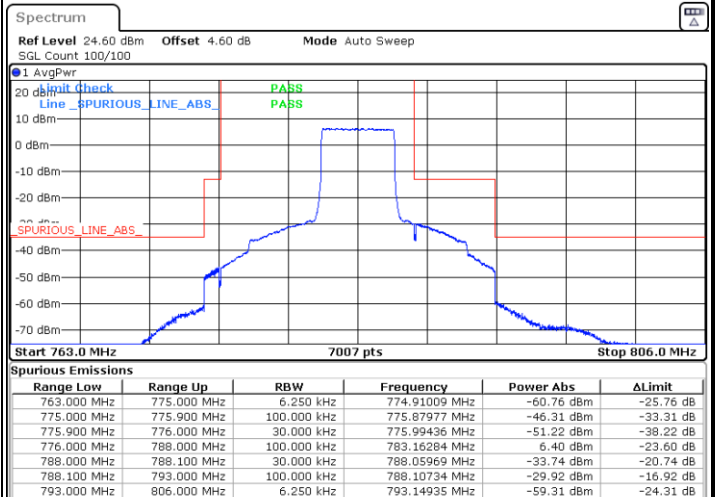
Date: 18.JAN.2022 11:52:33

Lowest Band Edge / Full RB



Date: 18.JAN.2022 11:43:10

Highest Band Edge / Full RB

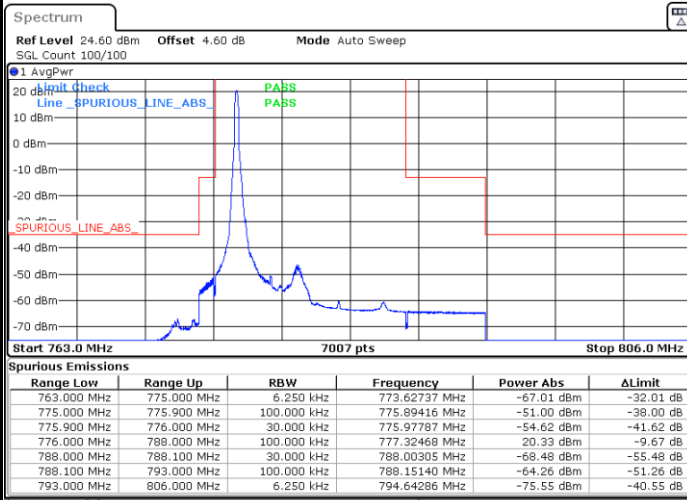


Date: 18.JAN.2022 12:41:04



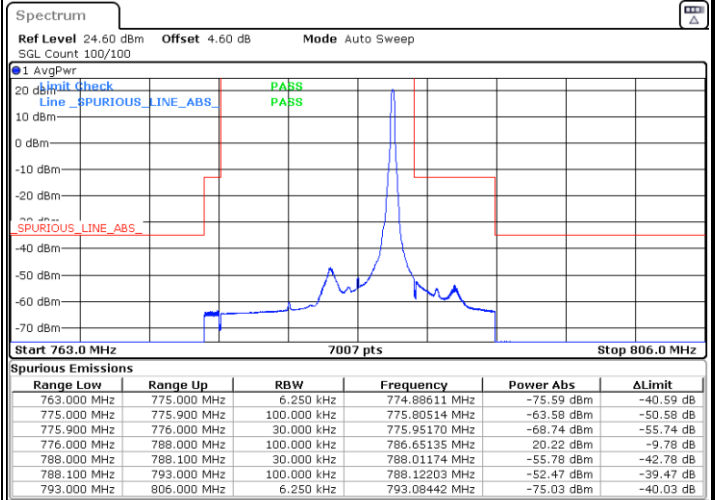
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB



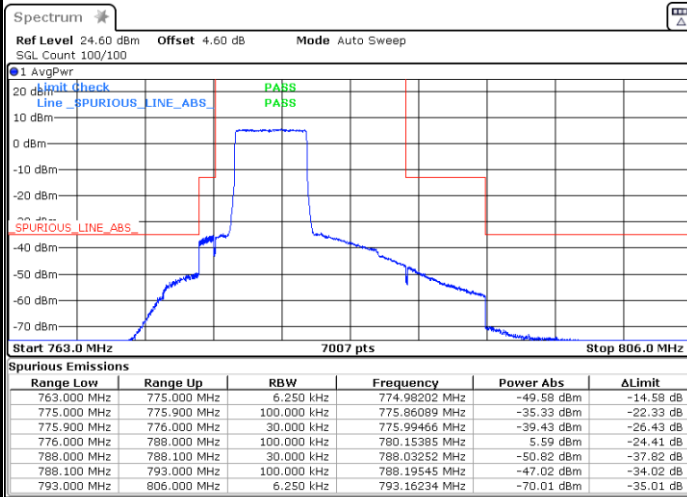
Date: 18.JAN.2022 11:15:05

Highest Band Edge / 1 RB



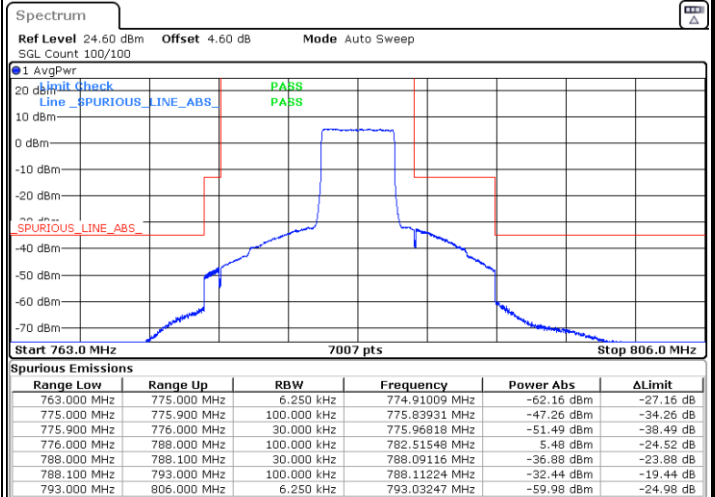
Date: 18.JAN.2022 12:00:04

Lowest Band Edge / Full RB



Date: 18.JAN.2022 11:40:41

Highest Band Edge / Full RB



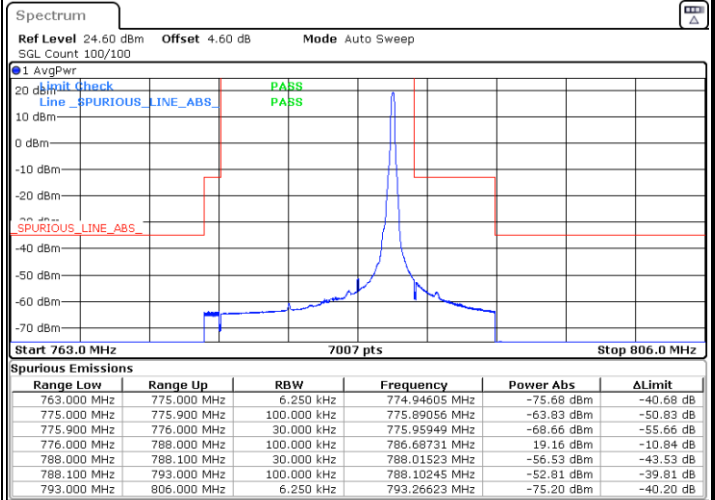
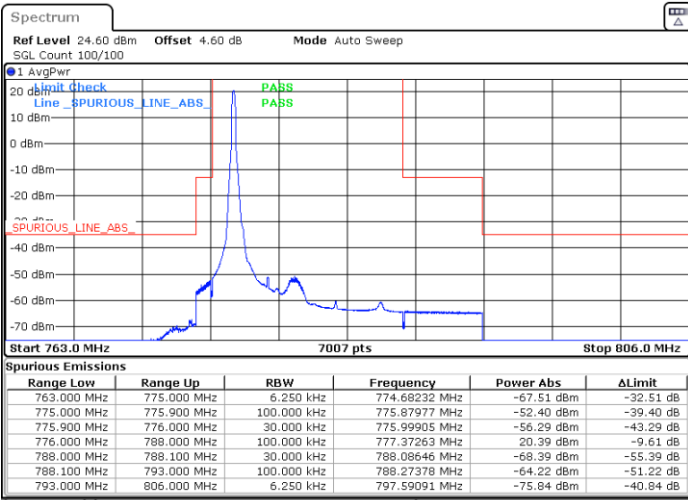
Date: 18.JAN.2022 12:08:47



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

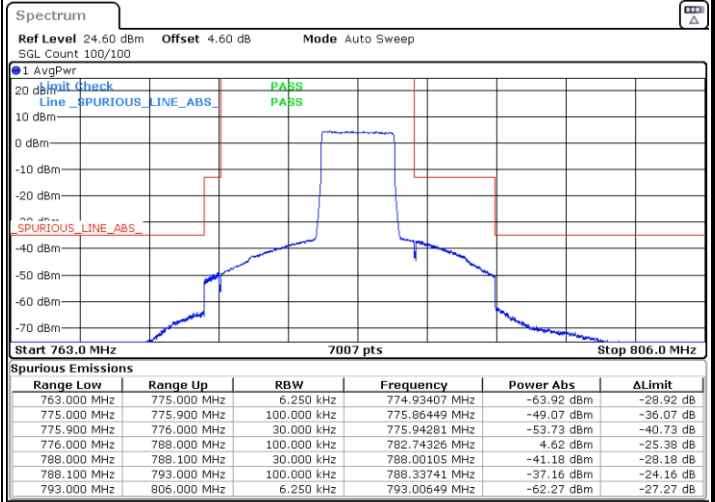
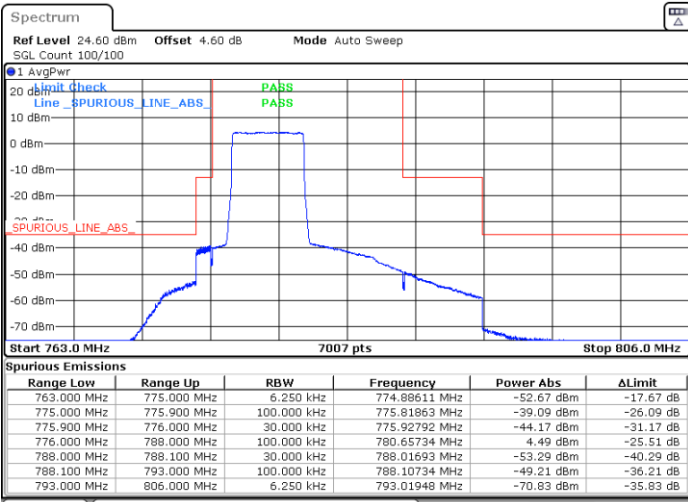


Date: 18.JAN.2022 11:16:54

Date: 18.JAN.2022 12:30:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



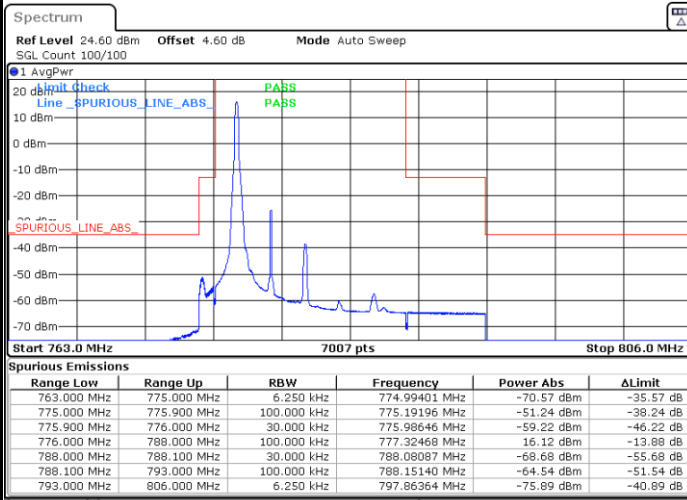
Date: 18.JAN.2022 11:22:47

Date: 18.JAN.2022 12:36:48



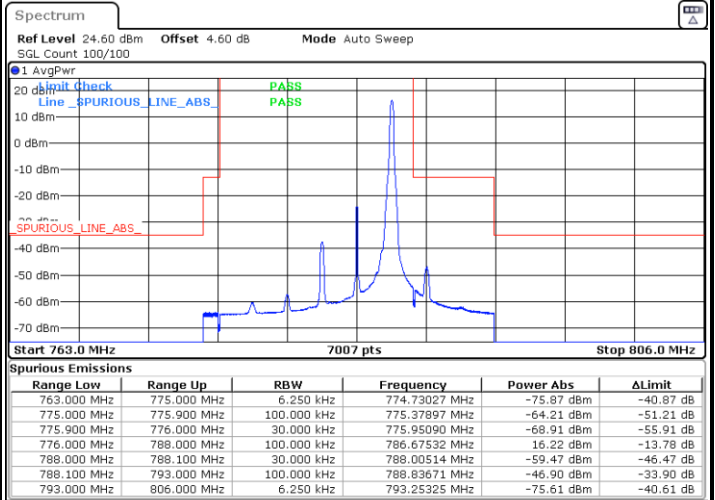
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



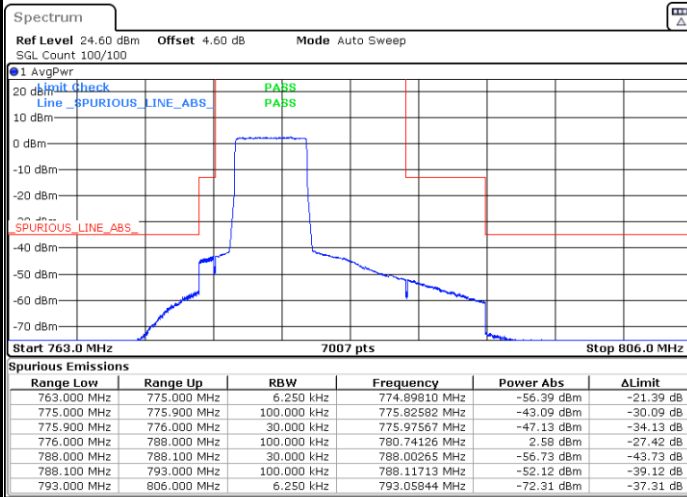
Date: 18.JAN.2022 11:18:55

Highest Band Edge / 1 RB



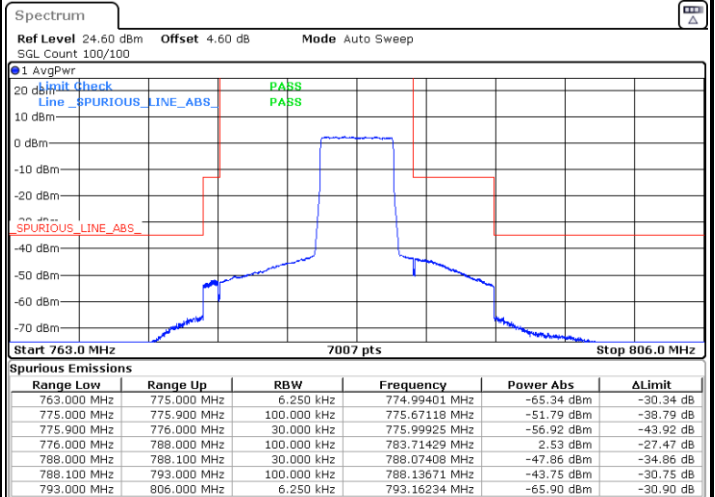
Date: 18.JAN.2022 12:31:59

Lowest Band Edge / Full RB



Date: 18.JAN.2022 11:20:56

Highest Band Edge / Full RB

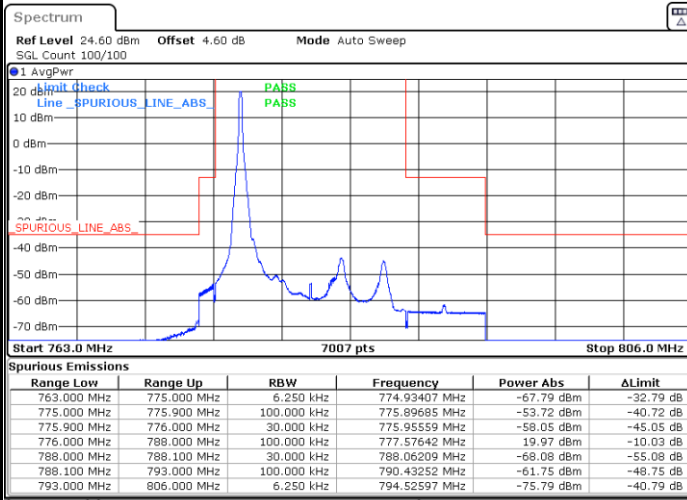


Date: 18.JAN.2022 12:34:16



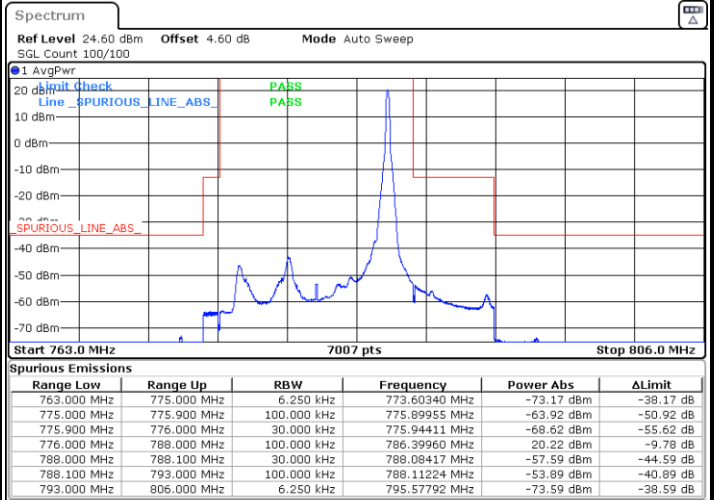
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



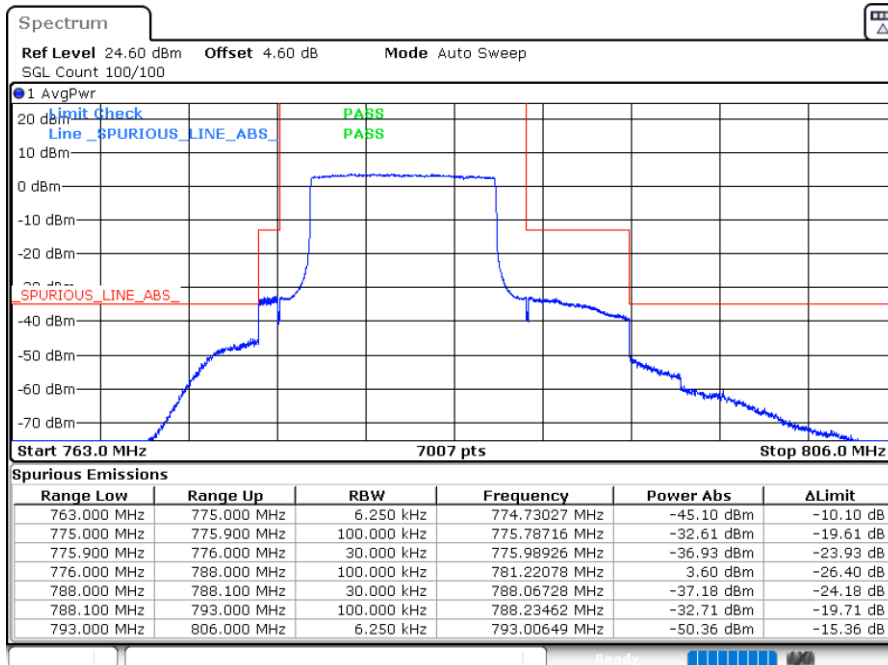
Date: 18.JAN.2022 12:45:15

middle Band Edge / 1 RB



Date: 18.JAN.2022 13:26:36

Middle Band Edge / Full RB

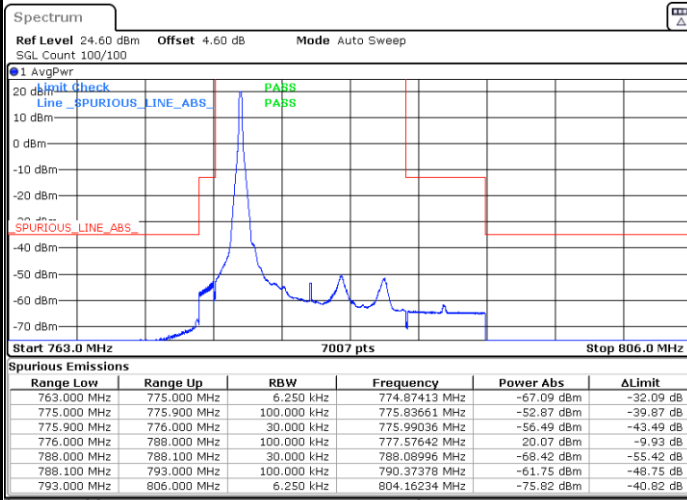


Date: 18.JAN.2022 13:24:41



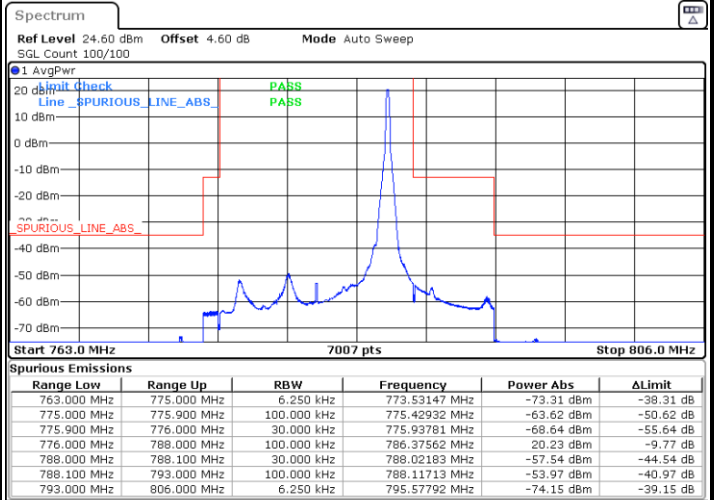
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



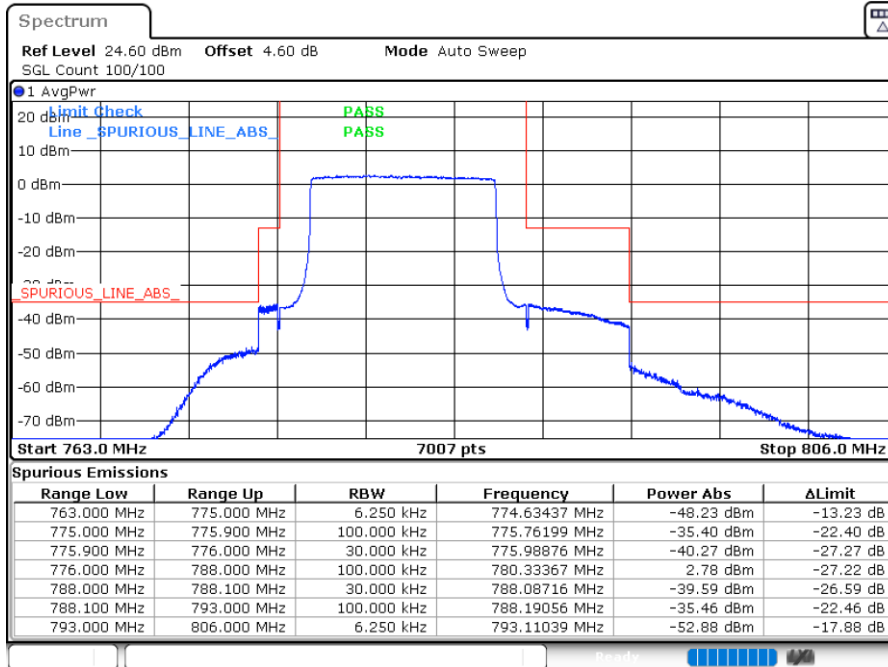
Date: 18.JAN.2022 12:54:29

middle Band Edge / 1 RB



Date: 18.JAN.2022 13:28:25

middle Band Edge / Full RB



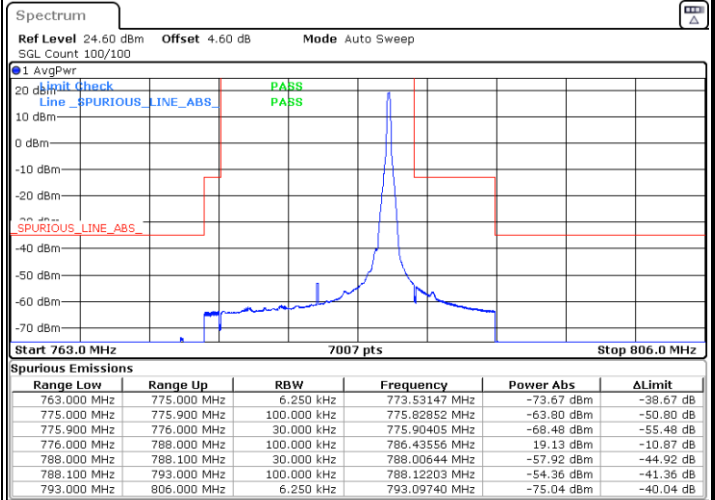
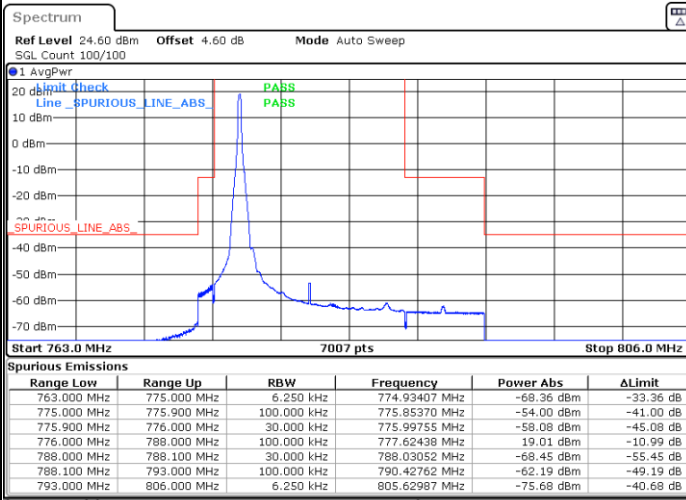
Date: 18.JAN.2022 13:22:38



LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB

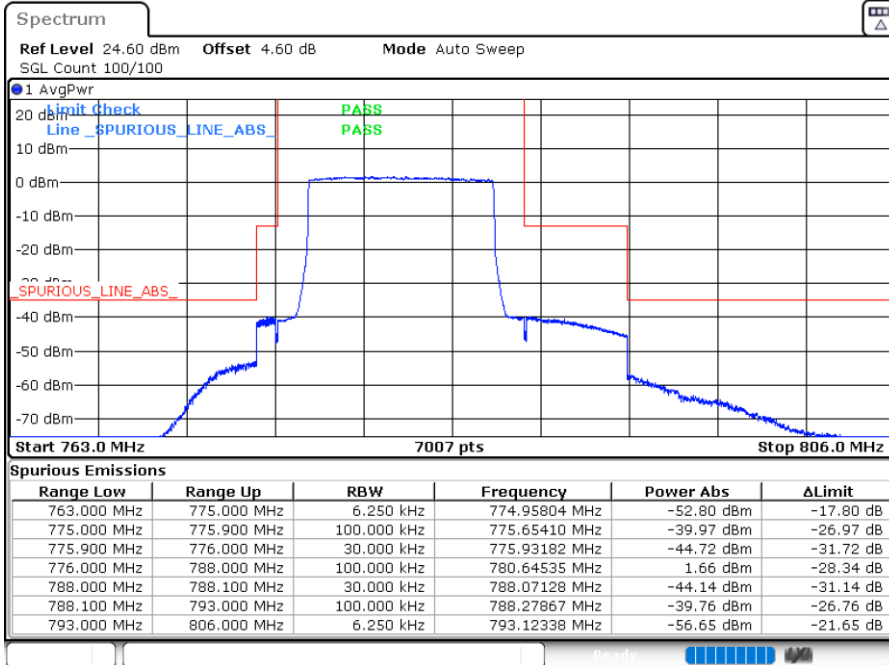
middle Band Edge / 1 RB



Date: 18.JAN.2022 13:00:26

Date: 18.JAN.2022 13:30:14

middle Band Edge / Full RB



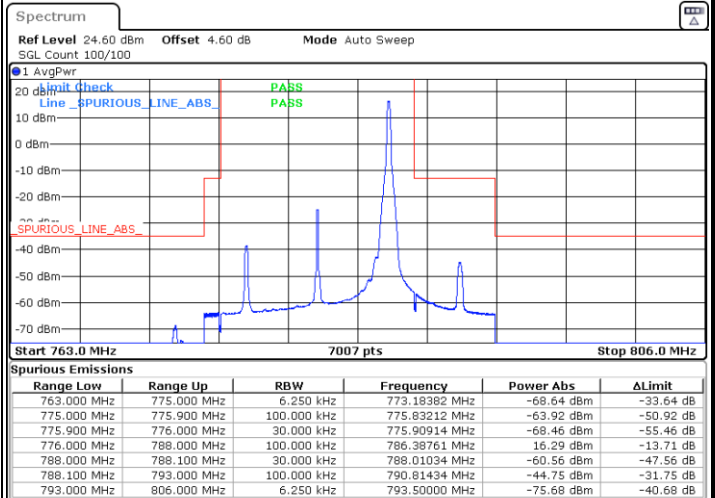
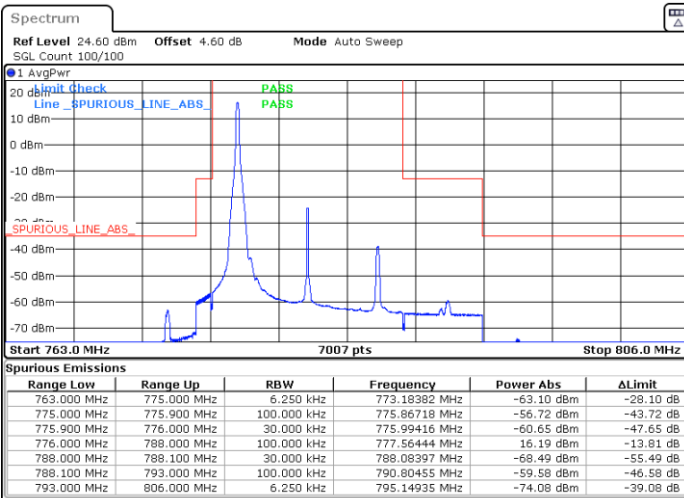
Date: 18.JAN.2022 13:20:45



LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

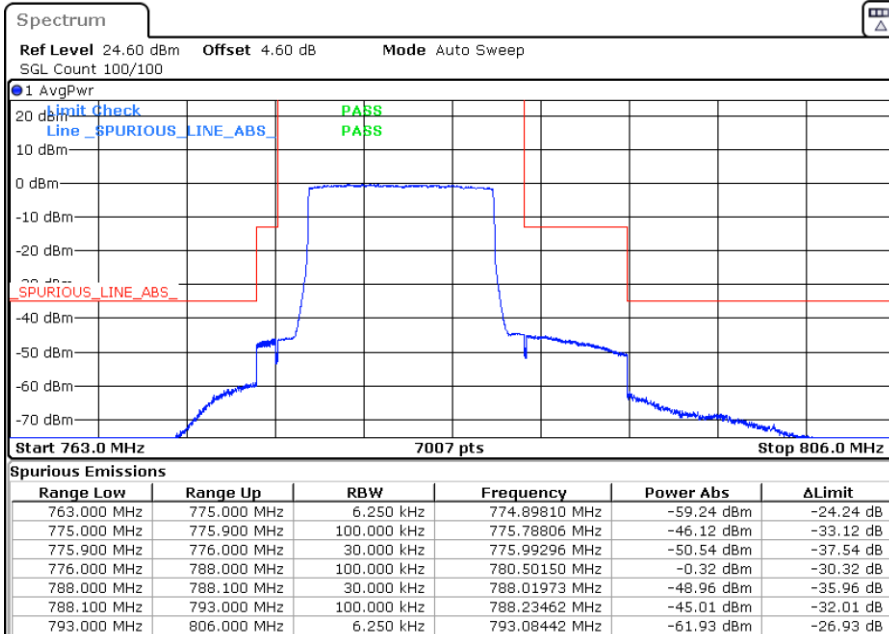
middle Band Edge / 1 RB



Date: 18.JAN.2022 13:07:24

Date: 18.JAN.2022 13:32:09

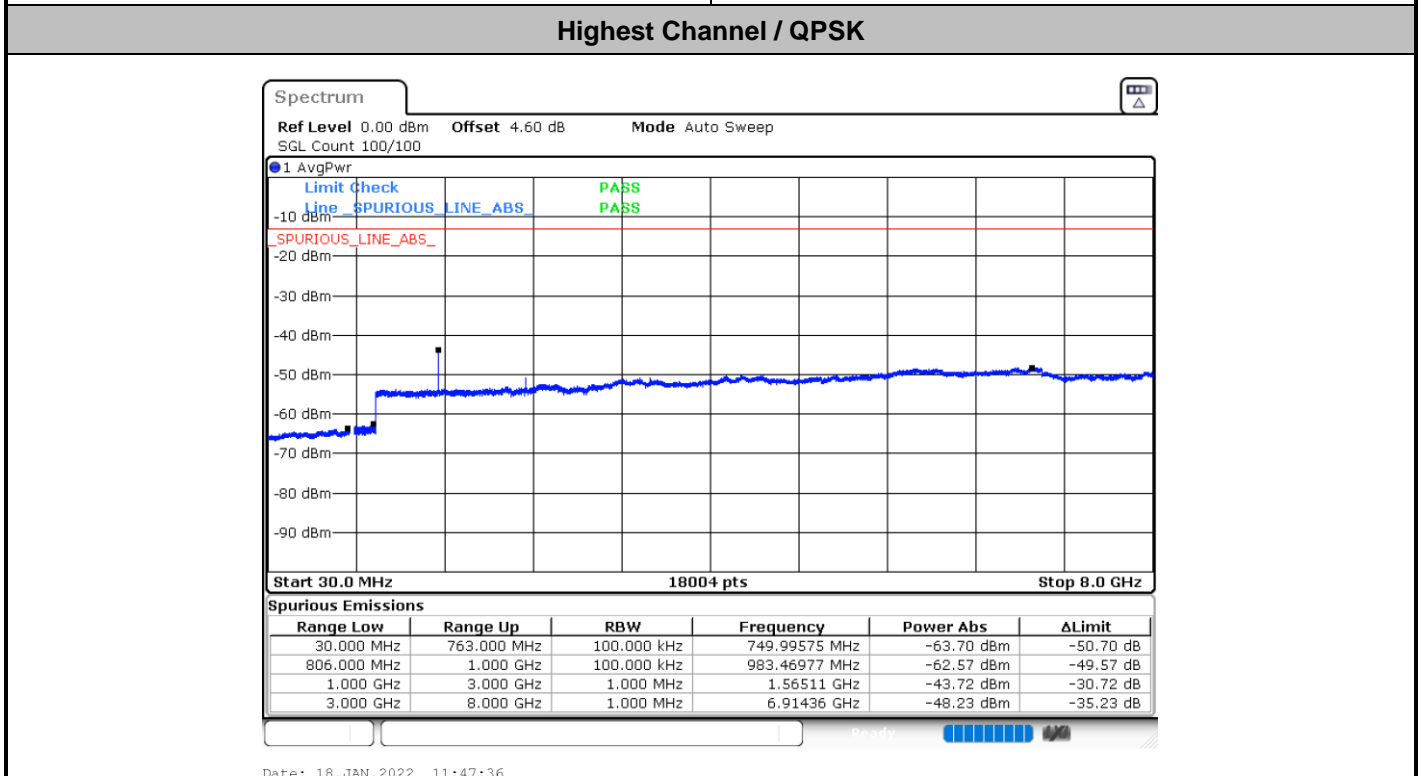
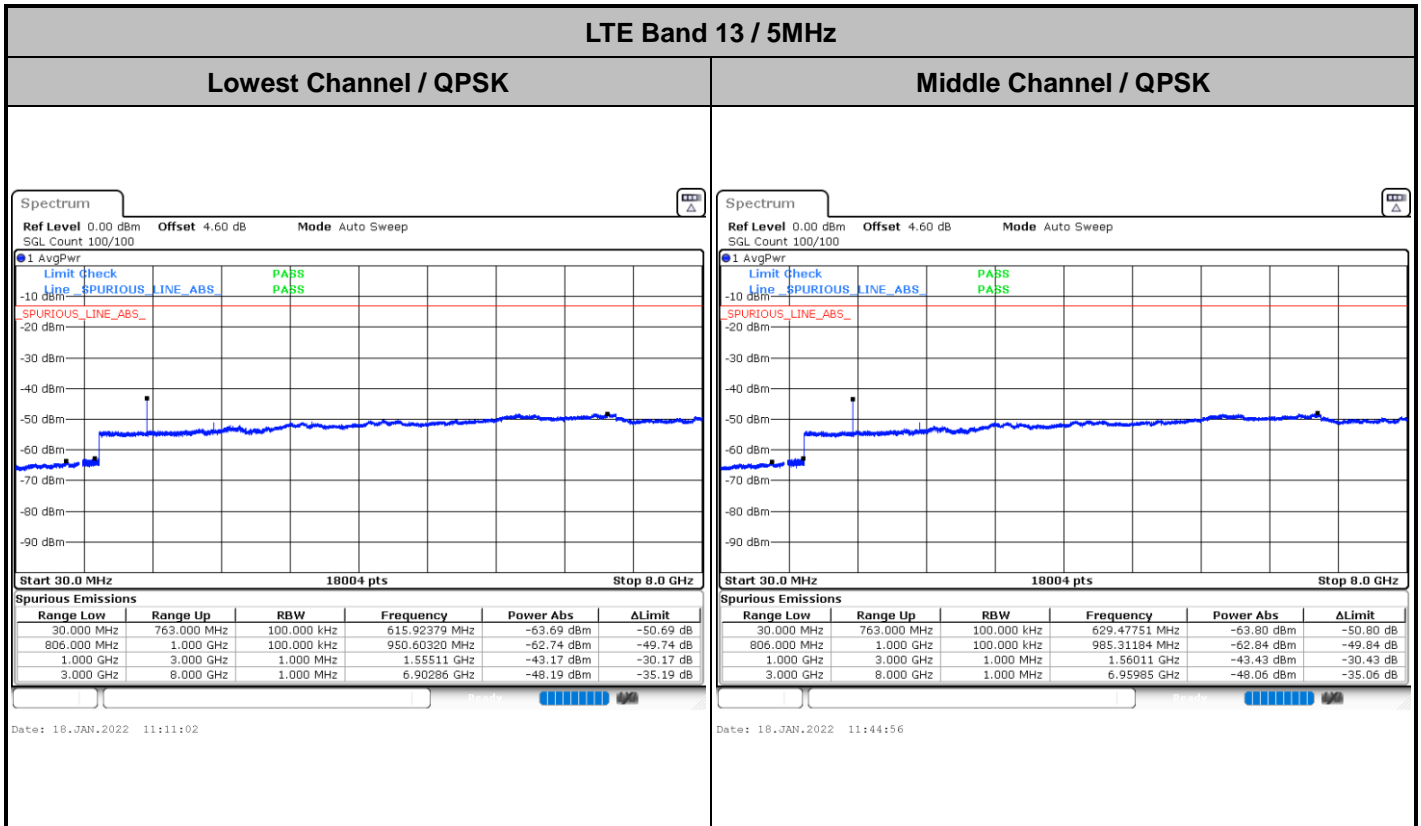
middle Band Edge / Full RB



Date: 18.JAN.2022 13:17:04



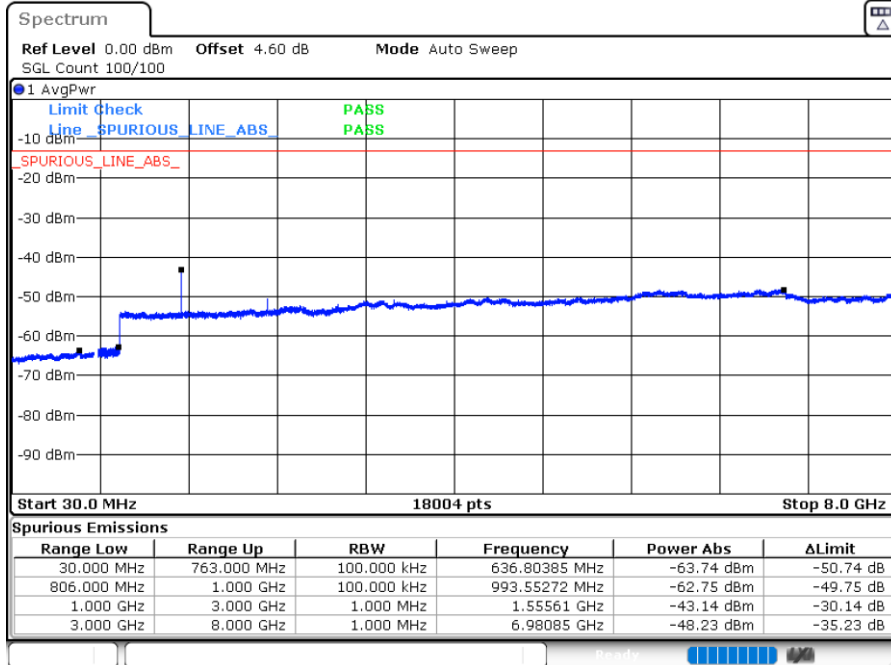
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 18, JAN, 2022 12:43:24



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

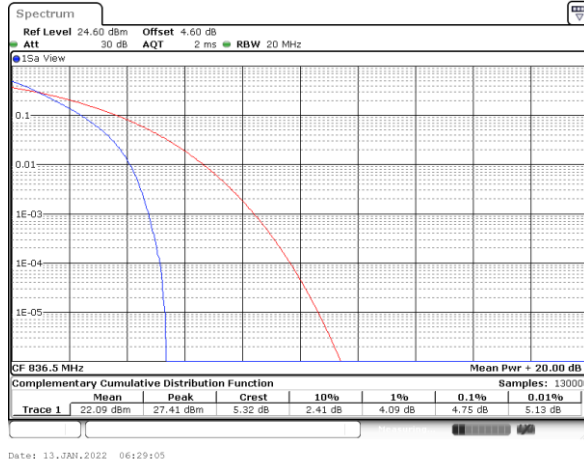
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.65	6.17	8.55	PASS

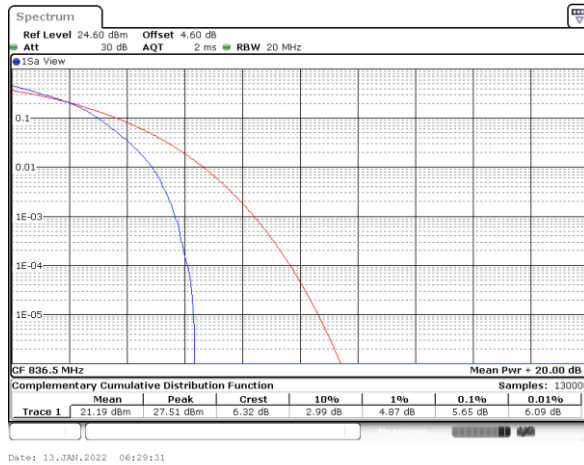


LTE Band 26 / 15MHz

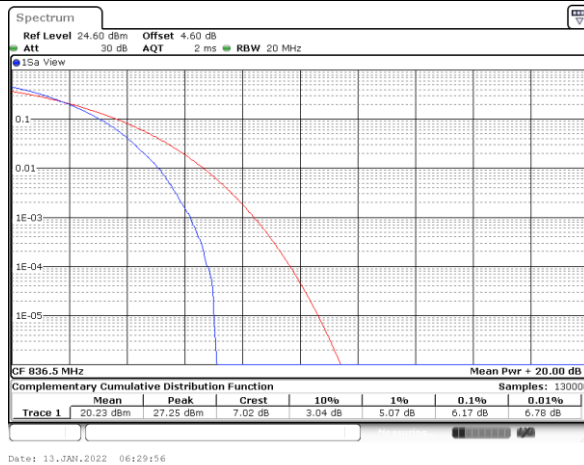
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

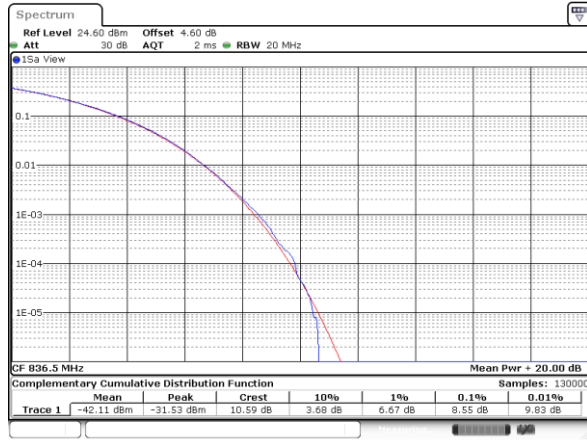


Middle Channel / Full RB/ 64QAM





Middle Channel / Full RB/ 256QAM

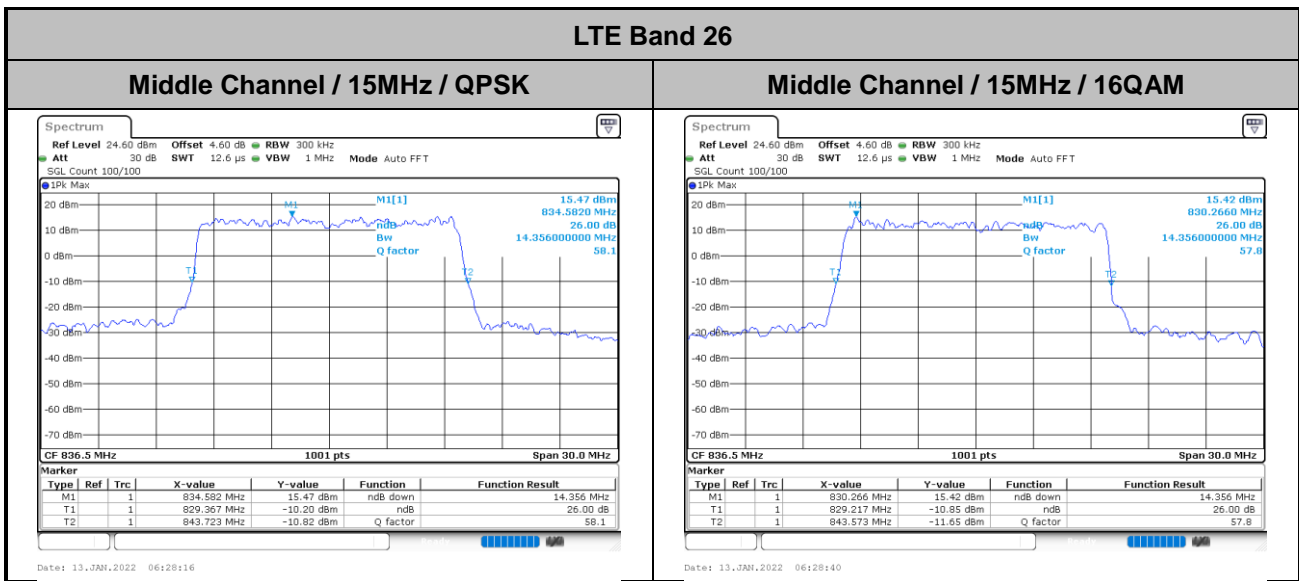


Date: 13.JAN.2022 08:43:28



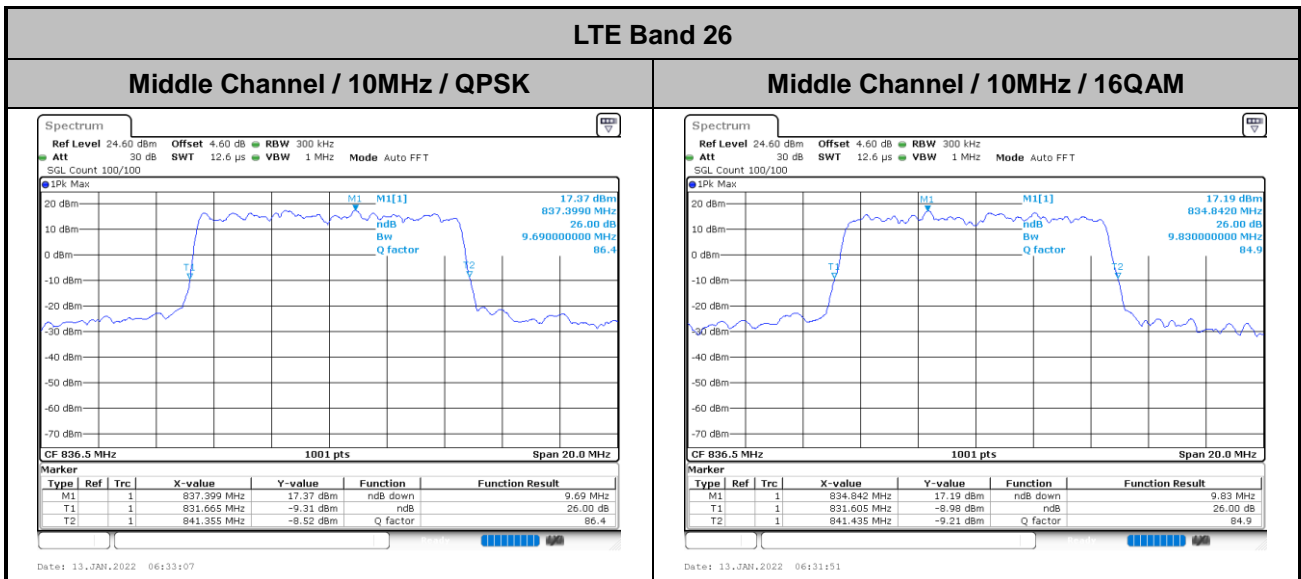
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.36	14.36





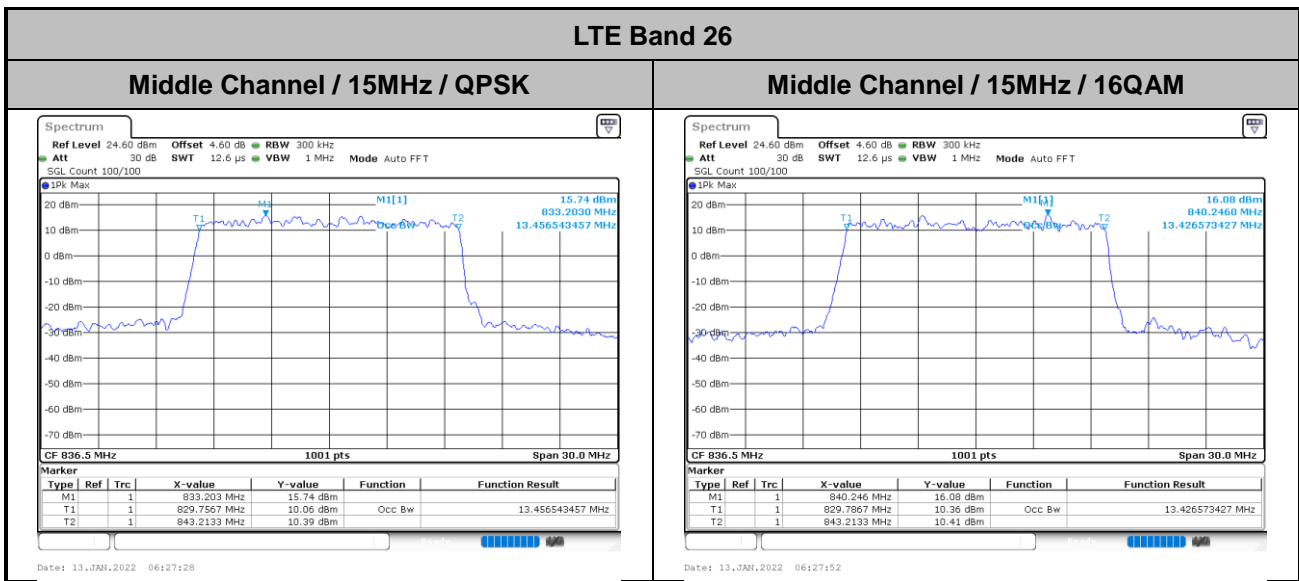
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.69	9.83





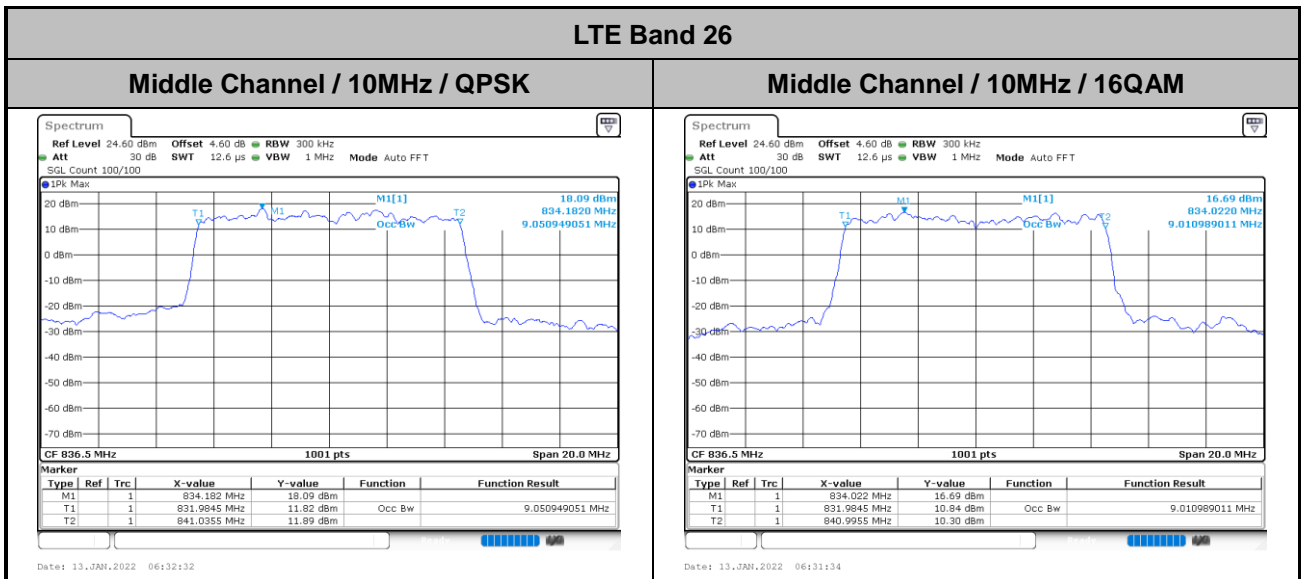
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.43



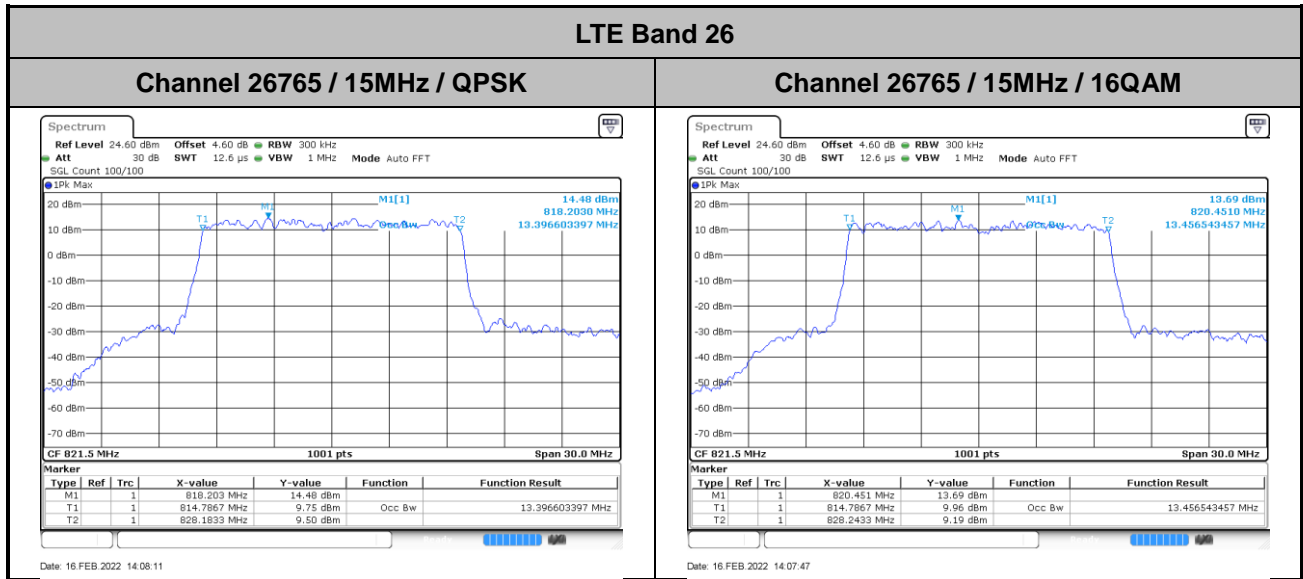


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.01



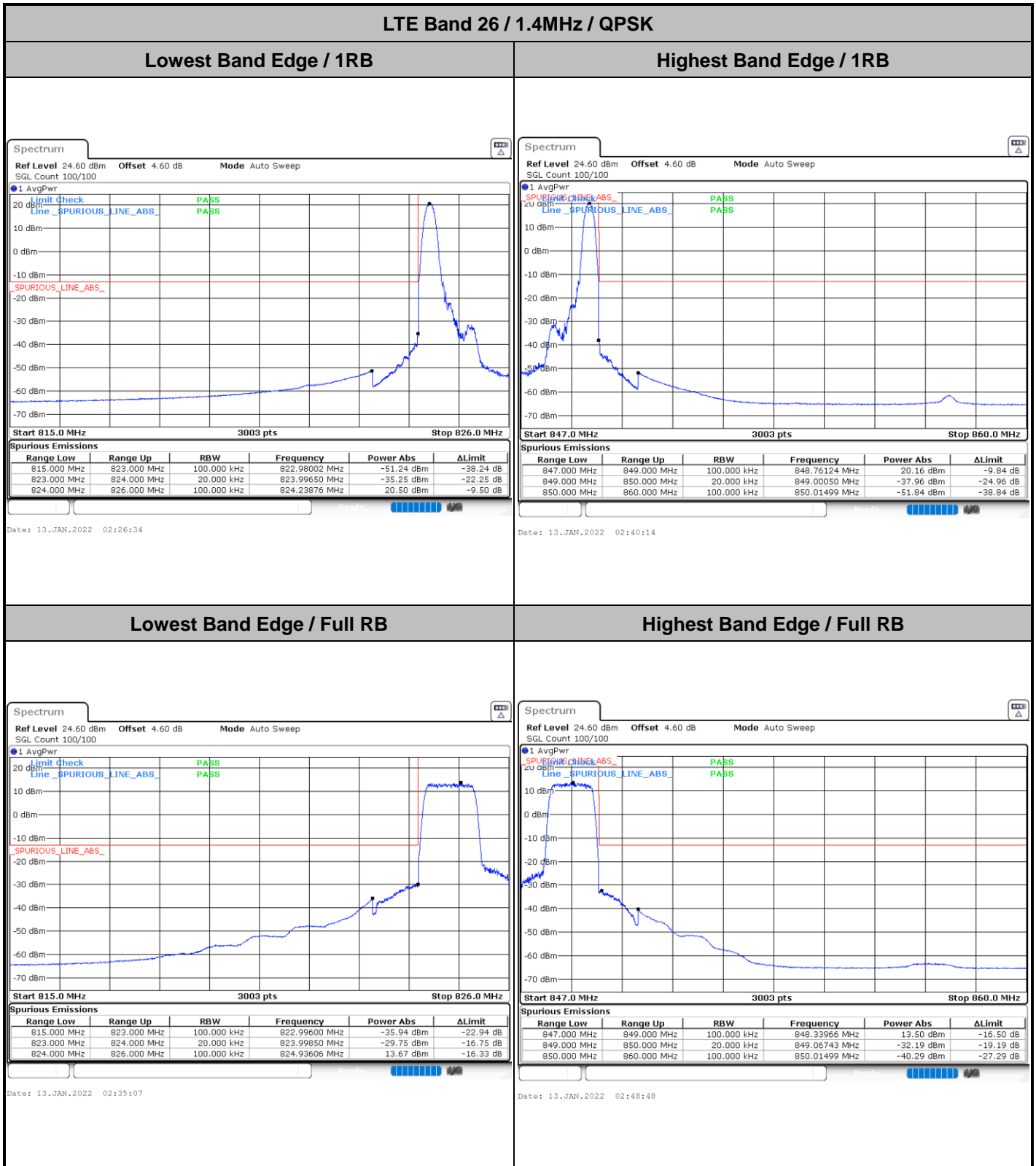


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
CH26765	13.40	13.46





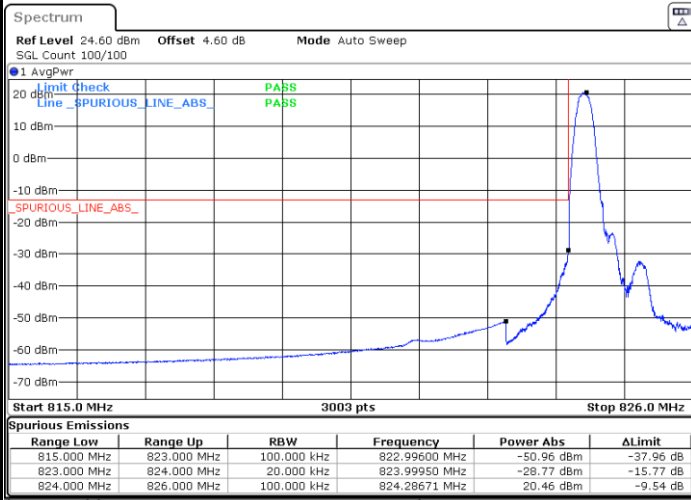
Conducted Band Edge





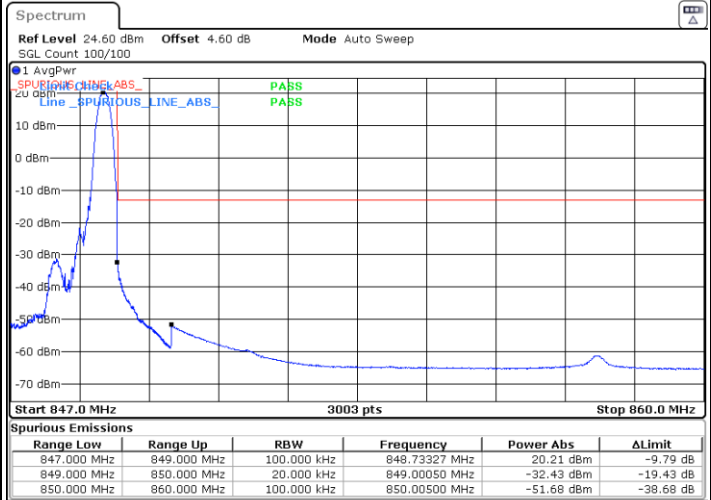
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



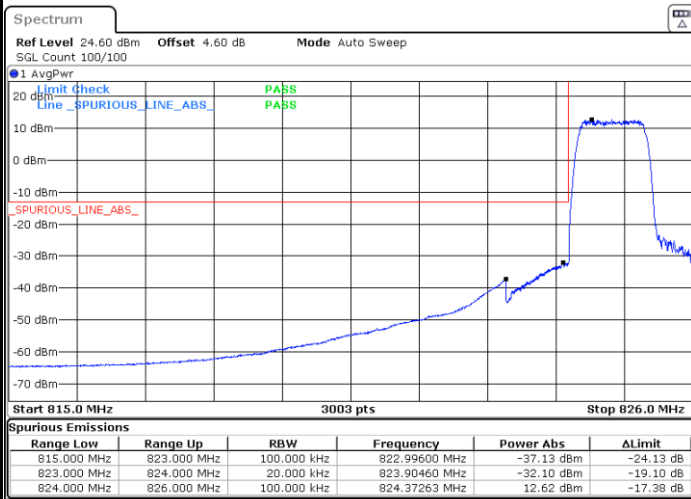
Date: 13.JAN.2022 02:28:16

Highest Band Edge / 1 RB



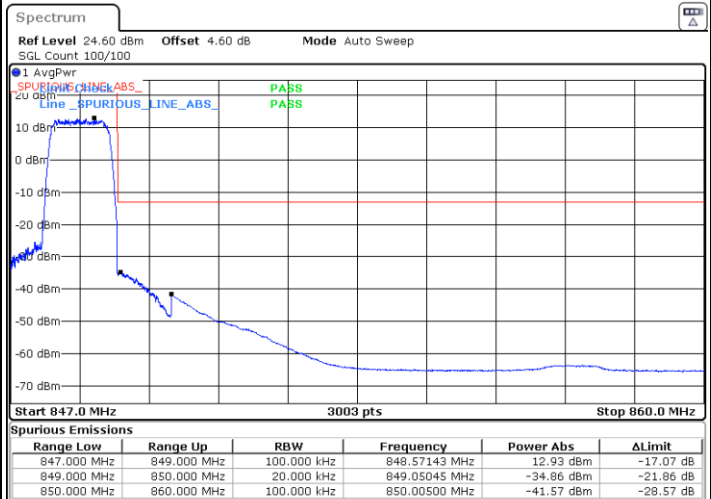
Date: 13.JAN.2022 02:41:57

Lowest Band Edge / Full RB



Date: 13.JAN.2022 02:33:25

Highest Band Edge / Full RB

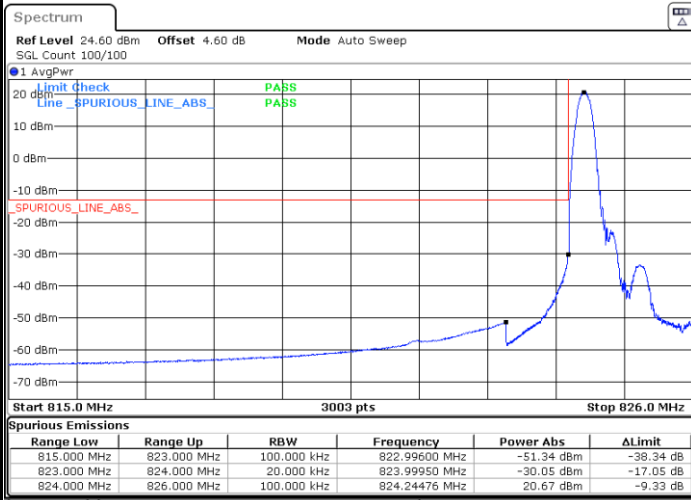


Date: 13.JAN.2022 02:47:05



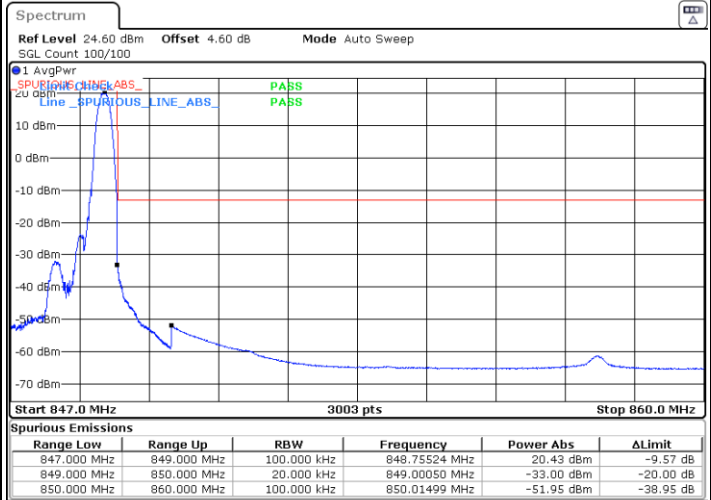
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



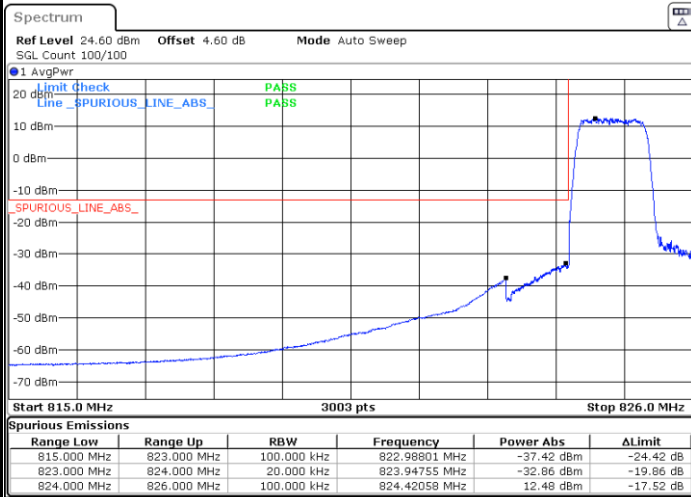
Date: 13.JAN.2022 02:29:59

Highest Band Edge / 1 RB



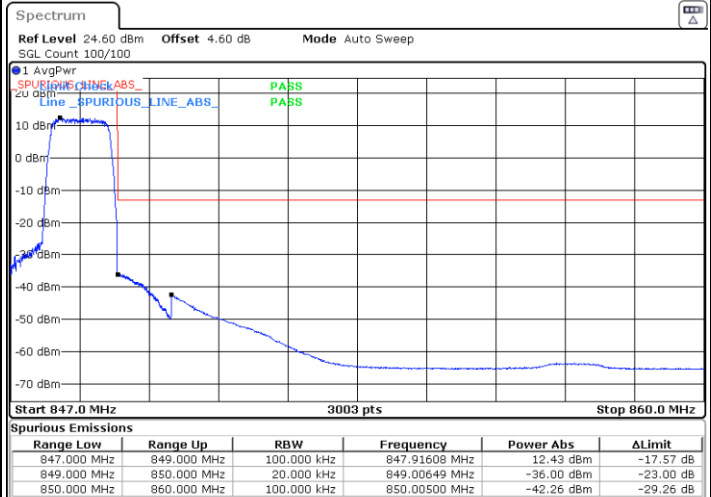
Date: 13.JAN.2022 02:43:40

Lowest Band Edge / Full RB



Date: 13.JAN.2022 02:31:42

Highest Band Edge / Full RB



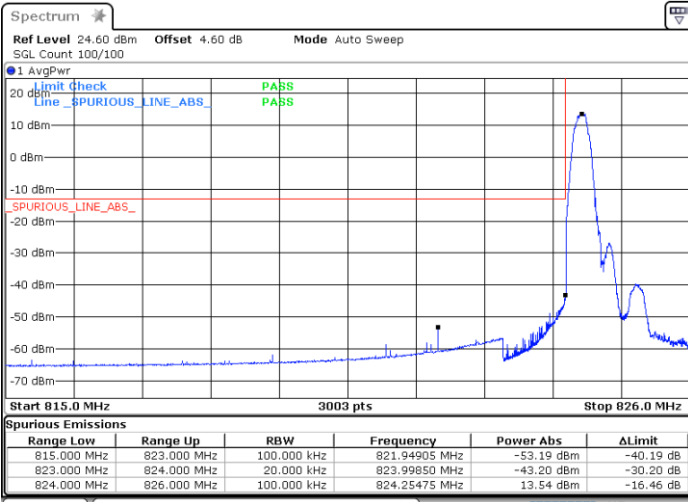
Date: 13.JAN.2022 02:45:23



LTE Band 26 / 1.4MHz /256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

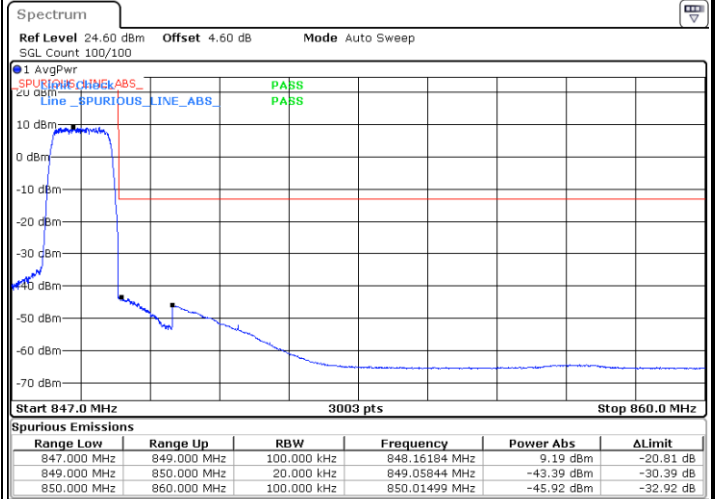
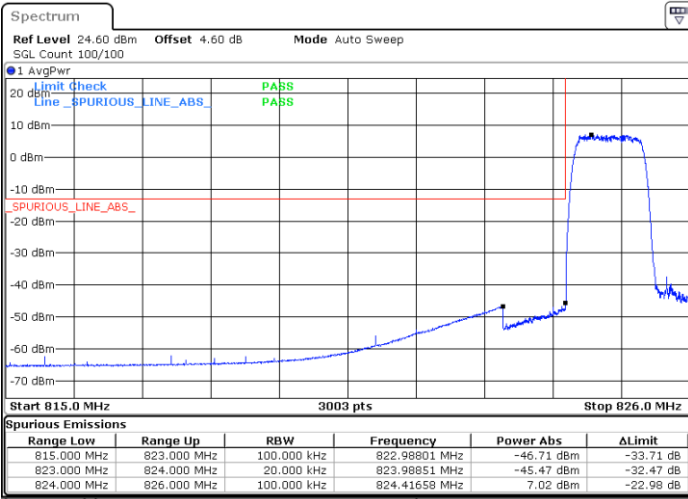


Date: 13.JAN.2022 07:00:25

Date: 13.JAN.2022 08:22:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



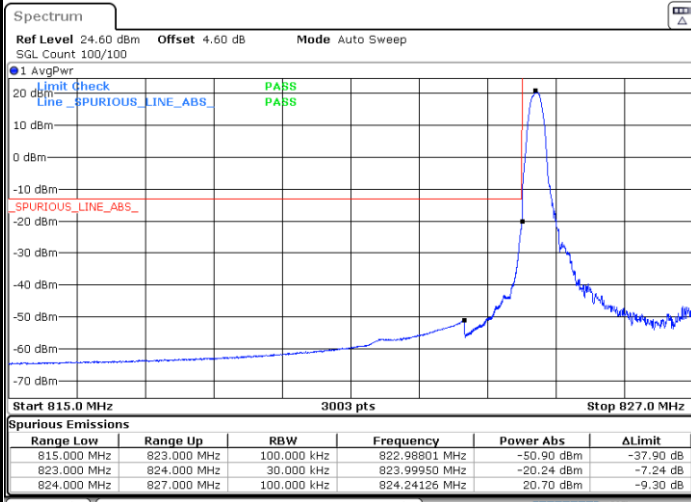
Date: 13.JAN.2022 08:24:27

Date: 13.JAN.2022 08:20:21



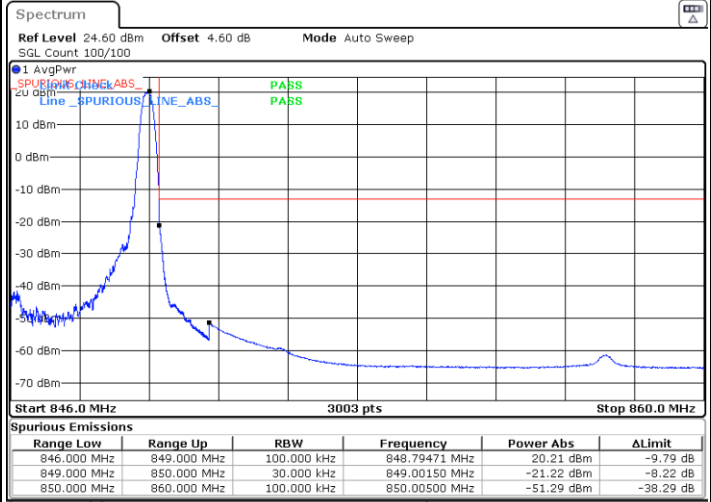
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



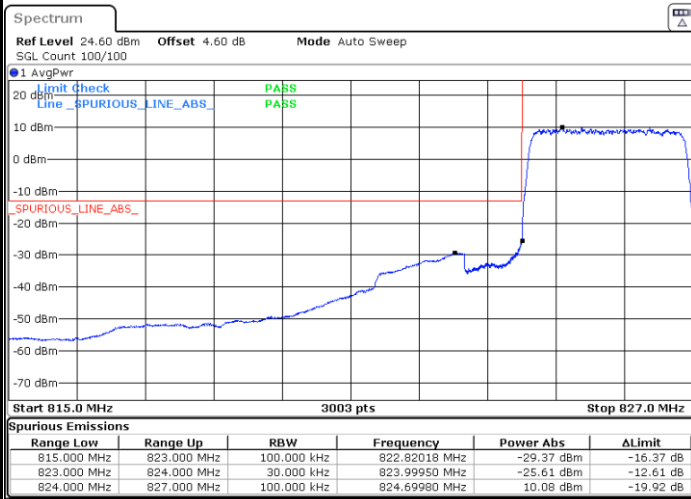
Date: 13.JAN.2022 02:52:04

Highest Band Edge / 1 RB



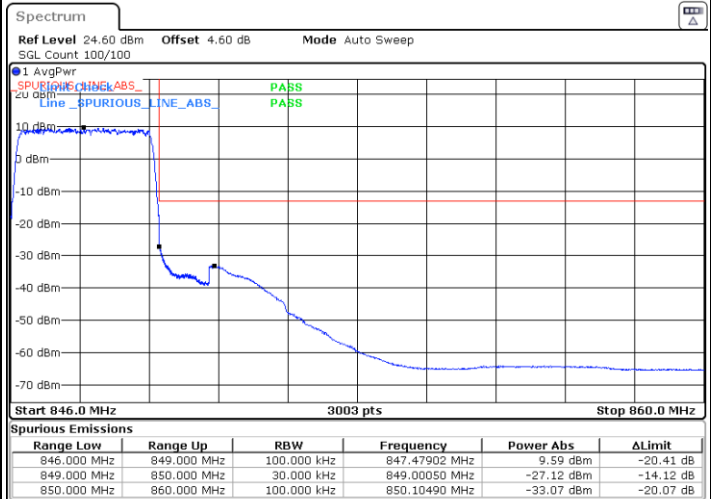
Date: 13.JAN.2022 03:05:45

Lowest Band Edge / Full RB



Date: 13.JAN.2022 03:00:38

Highest Band Edge / Full RB

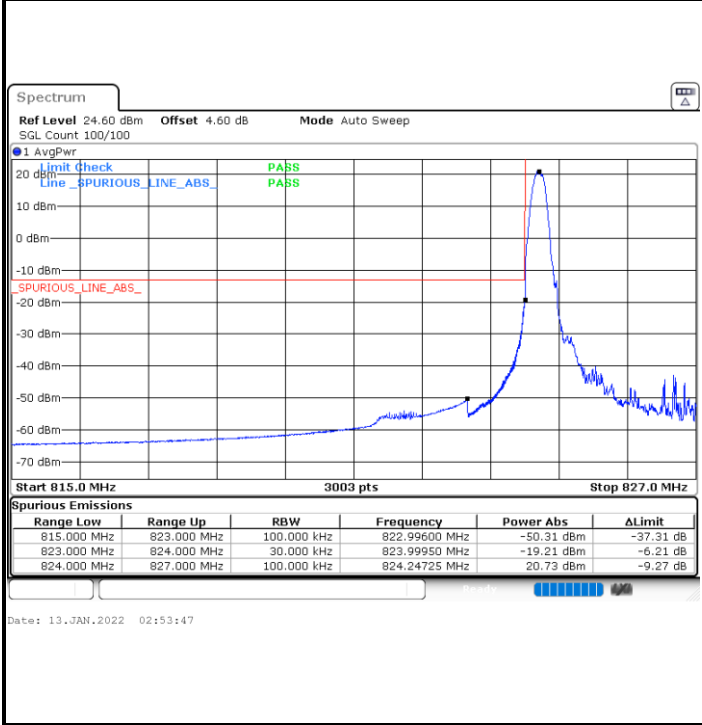


Date: 13.JAN.2022 03:14:18

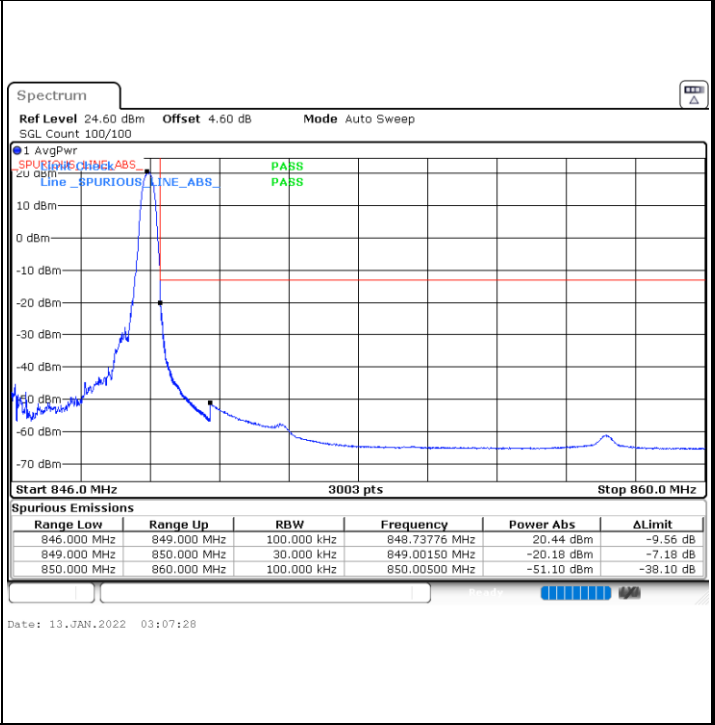


LTE Band 26 / 3MHz / 16QAM

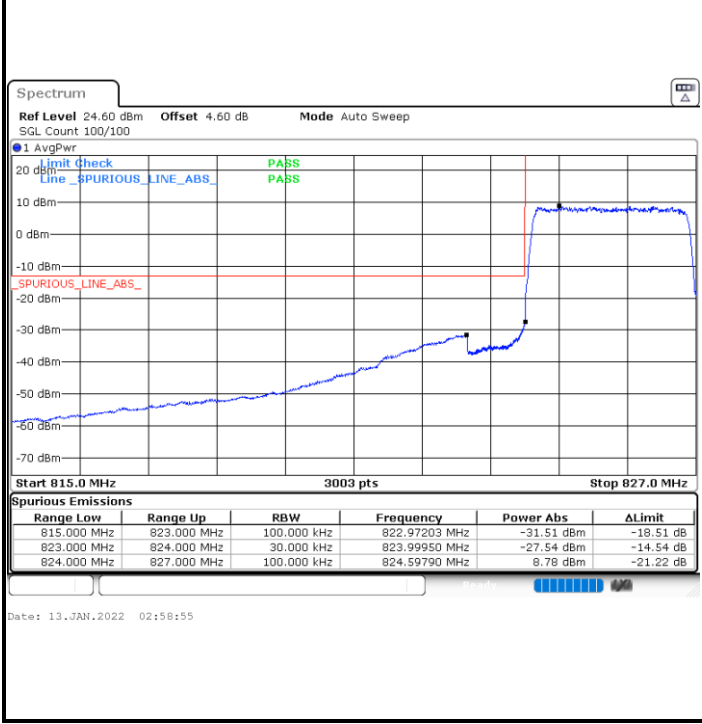
Lowest Band Edge / 1 RB



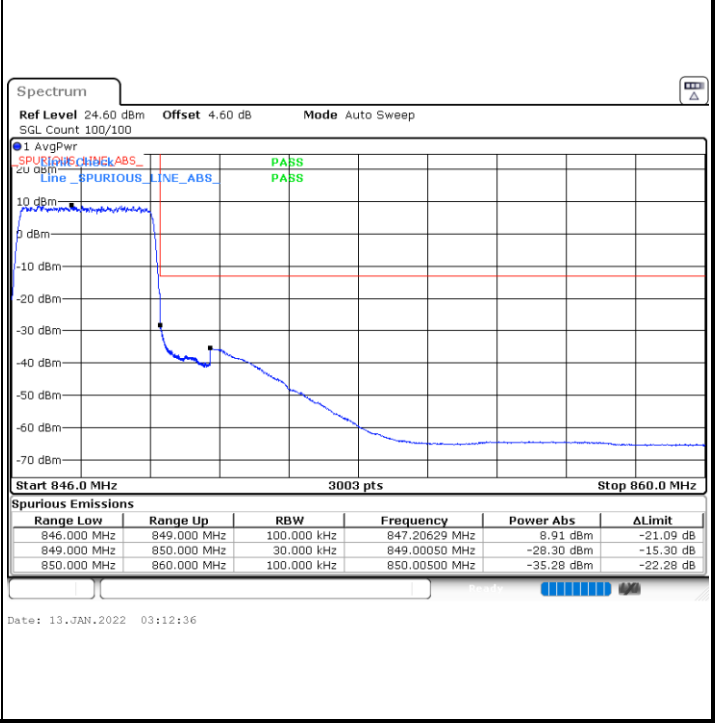
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



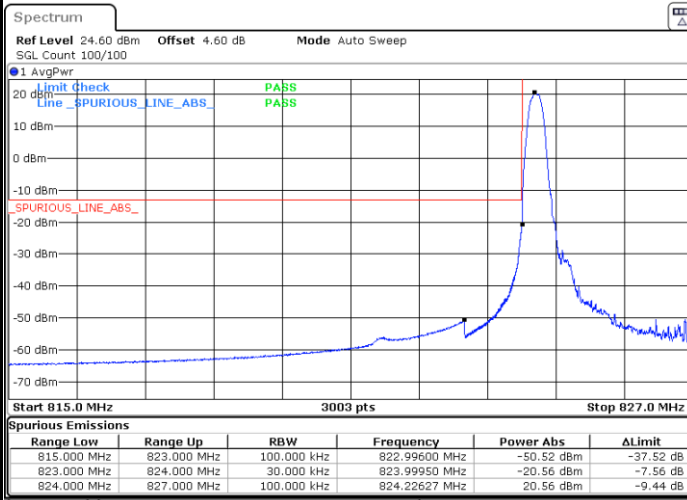
Highest Band Edge / Full RB





LTE Band 26 / 3MHz / 64QAM

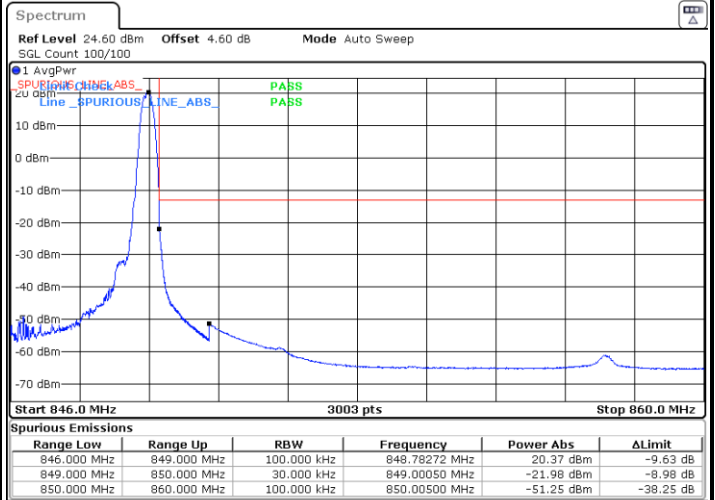
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-50.52 dBm	-37.52 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-20.56 dBm	-7.56 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.22627 MHz	20.56 dBm	-9.44 dB

Date: 13.JAN.2022 02:55:30

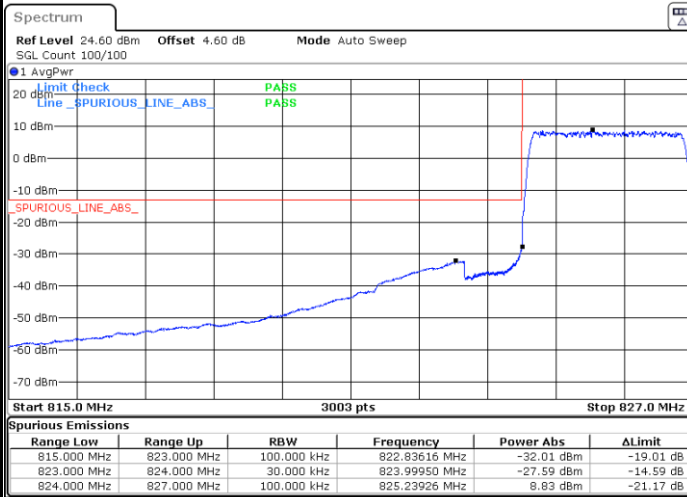
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.78272 MHz	20.37 dBm	-9.63 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-21.98 dBm	-8.98 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-51.25 dBm	-38.25 dB

Date: 13.JAN.2022 03:09:11

Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.83616 MHz	-32.01 dBm	-19.01 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-27.59 dBm	-14.59 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.23926 MHz	8.83 dBm	-21.17 dB

Date: 13.JAN.2022 02:57:12

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.06244 MHz	8.74 dBm	-21.26 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-28.86 dBm	-15.86 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-35.54 dBm	-22.54 dB

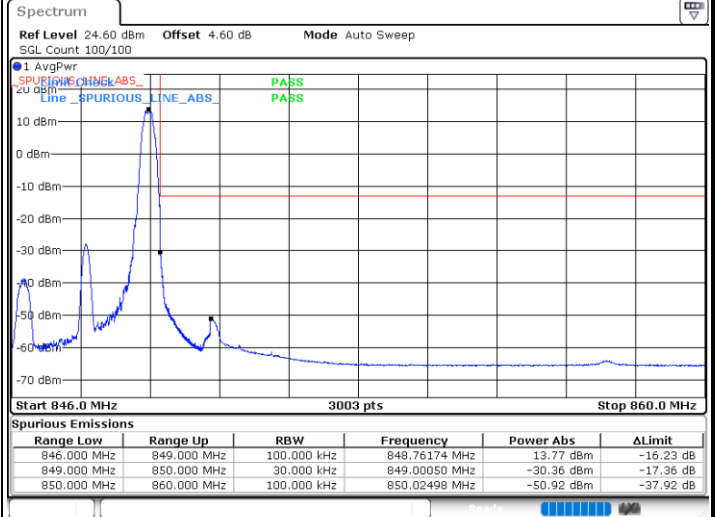
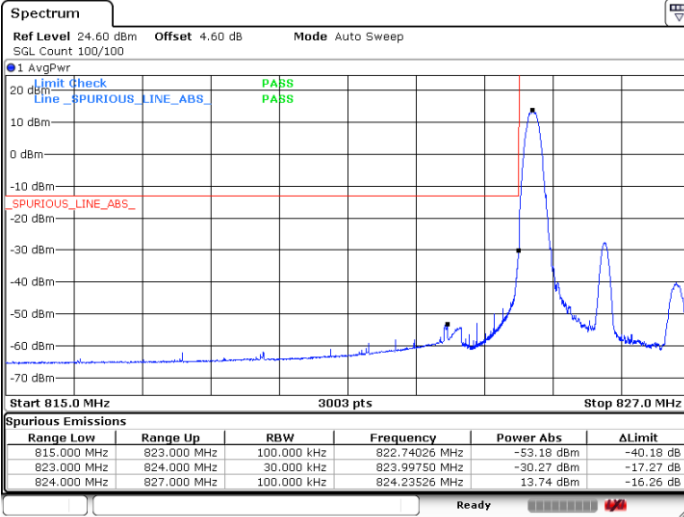
Date: 13.JAN.2022 03:10:53



LTE Band 26 / 3MHz / 256QAM

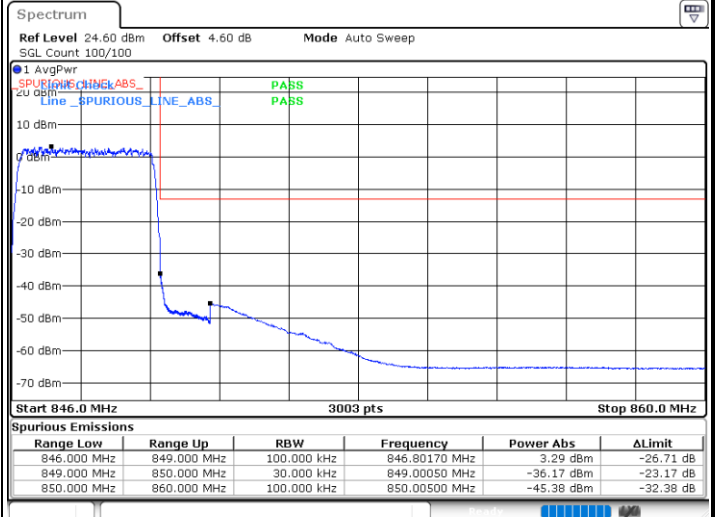
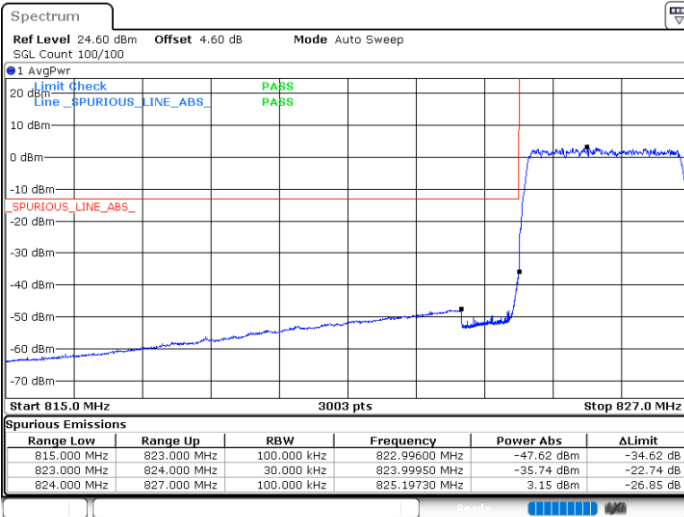
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

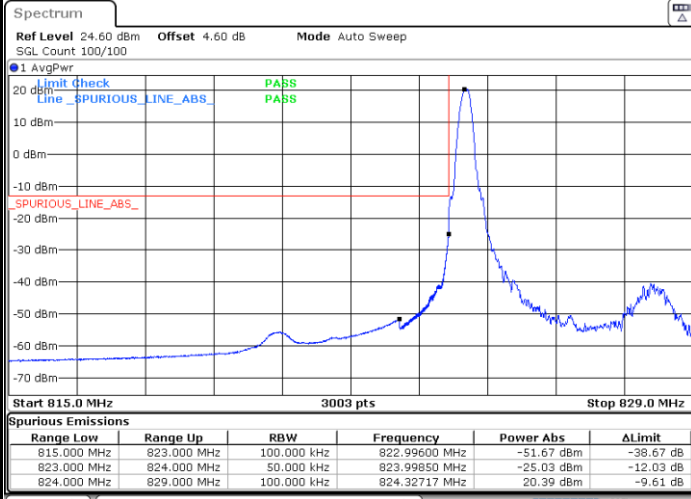
Highest Band Edge / Full RB





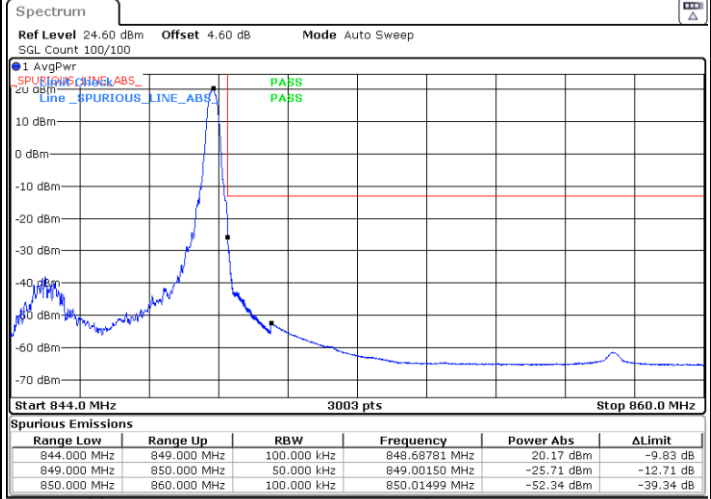
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



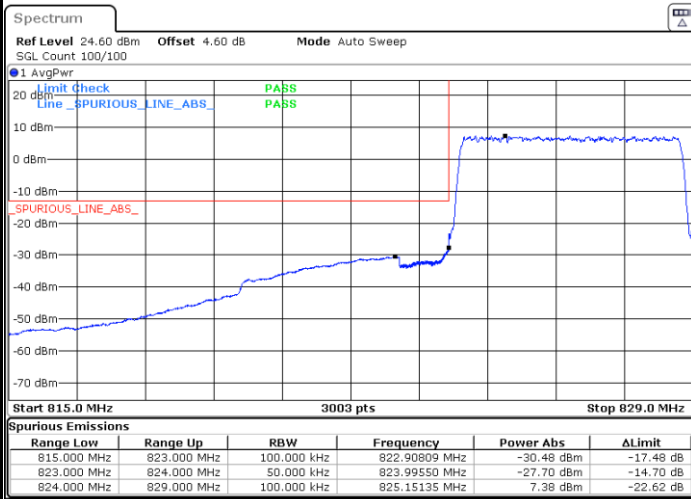
Date: 13.JAN.2022 03:17:35

Highest Band Edge / 1 RB



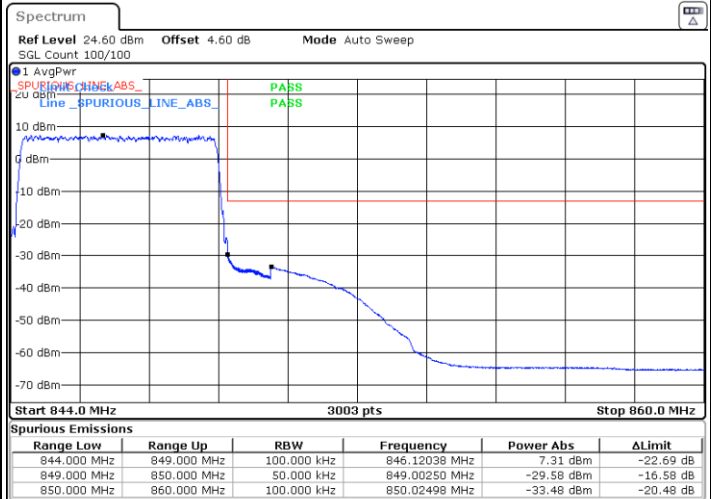
Date: 13.JAN.2022 03:31:15

Lowest Band Edge / Full RB



Date: 13.JAN.2022 03:26:08

Highest Band Edge / Full RB



Date: 13.JAN.2022 03:39:48